INDEX OF PATENTS

UNITED STATES PATENT OFFICE

1968

MICRO PHOTO DIVISION
BELL & HOWELL COMPANY
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INDEX OF PATENTS

Part I, List of Patentees

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Abe, Hideki, to Victor Co. of Japan, Ltd. Device for opening or closing two doors simultaneously. 3,372,965, 3–12–68, Cl. 312—275.

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Abe, Hitoshi, and K. Imai, to Kurashiki Rayon Co., Ltd. Methacrylic resin-vinylidene chloride resin compositions and method of production thereof. 3,419,519, 12–31–68, Cl. 260—41.

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Abegg, Karl, to Maschinenfabrik Oerlikon. Cooling and securing motor laminations. 3,414,749, 12–3–68, Cl. 310—52.

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Abel, Jack. Brassiere having adjustable cup construction. 3,398,748, 8–27–68, Cl. 128—465.

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Abel, Kenneth, H. S. De Schmertzing, and J. I. Peterson, to Melpar, Inc. Method of rapid lipid extraction. 3,365,277, 1–23–68, Cl. 23—230.

Abel, Martin L. Apparatus for producing oil-impregnated fibers. 3,399,648, 9–3–68, Cl. 118—37.

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Abell, William D., and J. R. Veara, to The Black and Decker Mfg. Co. Handle and trigger construction for one-hand portable tool. 3,381,104, 4–30–68, Cl. 200—157.

Abels, Walter, to Demag Aktiengesellschaft. Gear coupling having automatic engagement means. 3,411,322, 11–19–68, Cl. 64—6.

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Abendroth, Hans-Joachim, and G. Henrich, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of hydrazine. 3,387,919, 6–11–68, Cl. 23—190.

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Abermeth, Hubert, to Klockner-Humboldt-Deutz Aktiengesellschaft. Rotary piston internal combustion engine, especially circular piston internal combustion engine. 3,369,740, 2-20-68, Cl. 230—145.

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Abert, Charles, and W. C. Sand, to Bell Telephone Laboratories, Inc. Call tracing method and arrangement. 3,412,211, 11-19-68, Cl. 179—18.

Abert, Jack C., S. R. Perin, and W. H. Dean; said Perin and said Dean assor. to said Abert. Pack frame and backstrap means therefor. 3,367,547, 2-6-68, Cl. 224—25.

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Able, Edward T., L. L. Blackwell, and D. R. Steele, to B. K. Sweeney Mfg. Co. Helicopter rotor blade trackers. 3,386,031, 5-28-68, Cl. 324—61.

Abler, Julius, to The Delta Co. Device for opening and dispensing fluid from a container. 3,370,752, 2-27-68, Cl. 222—83.5.

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Abolins, Andrew, to Strick Corp. Corner member for van size cargo container. 3,363,803, 1-16-68, Cl. 220—23.4.

Abolins, Andrew, to Strick Corp. Removable spacers for upper corners of coupleable containers. 3,383,005, 5-14-68, Cl. 220—23.4.

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Abowitz, Alexander. Yarn stacking device for knitting machines. 3,413,826, 12-3-68, Cl. 66—8.

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Abrams, Herman B. Battery charger system. 3,402,339, 9 68, Cl. 320—40.

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Accary, André, A. Treillou, and J. Trouvé, to Commissariat a l'Energie Atomique. Furnace for manufacturing ingots or bars of metal or alloys, particularly bars of uranium carbide. 3,388,736, 6–18–68, Cl. 164—154.

Accary, André, A. Treillou, and J. Trouvé, to Commissariat a l'Energie Atomique. Furnace for manufacturing ingots or bars of metal or alloys, particularly bars of uranium carbide. 3,388,903, 6–18–68, Cl. 266—33.

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Achermann, Werner and F: Lighting utensil, in particular for smokers. 3,389,782, 6–25–68, Cl. 206—29.

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Achuff, Nancy E., and T. F. Wood, to Givaudan Corp. Method of controlling weeds. 3,393,994, 7–23–68, Cl. 71—123.

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Acker, Donald S., and A. L. Barney, to E. I. du Pont de Nemours and Co. Vulcanizable composition containing a thiocarboxylic acid fluoride polymer and a polyunsaturated compound. 3,378,604, 4–16–68, Cl. 260—874.

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Ackerman, Irving. Dual-purpose filter disk for coffeemakers. 3,386,586, 6–4–68, Cl. 210—477.

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Ackerman, Marvin, to Hewlett-Packard Co. Optoelectric data readout device. 3,395,963, 8–6–68, Cl. 250—219.

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Adachi, Naoyoshi, and Y. Murono, to Asahi Kasei Kogyo Kabushiki Kaisha. Method of producing crimped fibrous material. 3,398,441, 8–27–68, Cl. 28—72.
Adachi, Nobuyuki, to The Shin-etsu Chemical Industry Co., Ltd. Composition of waterproof agent and process for manufacture of waterproof cloth using the same. 3,418,162, 12–24–68, Cl. 117—161.
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Young, Frink M. 3,392,345.
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Barth, Robert, and Adalbert. 3,418,679.
Adam, Adolf: *See*—
Paul, Walter, Adam, and Bremberger. 3,364,451.
Adam, Bernard. Physio-therapy apparatus. 3,362,090, 1–9–68, Cl. 35—29.
Adam, Charles R., to Phoenix Industries, Inc. Door latch. 3,364,706, 1–23–68, Cl. 70—150.
Adam, Douglas G.: *See*—
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Adam, Georg: *See*—
Uhlmann, Helmut, and Adam. 3,409,852.
Adam, Gunter, to H. Marker. Fixing device for vertically adjustable sole holders of ski bindings. 3,379,448, 4–23–68, Cl. 280—11.35.
Adam, Gunter. Safety toe iron for ski bindings. 3,399,902, 9–3–68, Cl. 280—11.35.
Adam, Gunter, to Hannes Marker. Heel tightener for ski bindings. 3,403,920, 10–1–68, Cl. 280—11.35.
Adam-Steven Leather Goods, Inc.: *See*—
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Adam, Vaclav, to Vyzkumny a zkusebni letechky ustav. Apparatus for forming, hardening and applying layers of malleable material upon planar and profiled surfaces. 3,398,562, 8-27–68, Cl. 72—215.
Adam, W. D., Co., Inc.: *See*—
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Adamek, Stephen, to Dunlop Rubber Co. Ltd. Polymerization of episulfides. 3,366,609, 1–30–68, Cl. 260—79.
Adami, Aldo. Liquid jet distributing device. 3,388,867, 6–18–68, Cl. 239—222.
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Adamis, Dionysios M. Decorative crystallization process. 3,368,912, 2–13–68, Cl. 117—42.
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Adams, Andrew O., to Leach Corp. Shielded connector for preventing arcing and surface leakage. 3,366,730, 1–30–68, Cl. 174—151.
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Adams, Arthur H., and M. Bozocos, deceased by H. B. McKinney, and T. B. Fasano, A. Bozocos, by H. McKinney, and Z. H. Astor, executor of said A. H. Adams. Automatic shampoo apparatus. 3,416,517, 12–17–68, Cl. 128—65.
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Adams, Cecil E., to Abex Corp. Servovalve having floating ring pilot stage. 3,386,457, 6–4–68, Cl. 137—85.
Adams, Cecil E., and R. E. Griffith, to American Brake Shoe Co. Three area vane type hydraulic pump having force modulating flow restrictor means. 3,401,641, 9–17–68, Cl. 103—136.
Adams, Charles A., and H. E. Halladay, to Motorola, Inc. Miniaturized package containing a solid state oscillator and a frequency multiplier. 3,393,357, 7–16–68, Cl. 321—69.
Adams, Charles D., to Melpar, Inc. Extendible boom. 3,387,414, 6–11–68, Cl. 52—108.
Adams, Charles J., to General Electric Co. Self-mating electric connector assembly. 3,411,127, 11–12–68, Cl. 339—47.
Adams, Charles J., Jr.: *See*—
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Adams, Charles L., and R. J. McFalls, to Clupak, Inc. Apparatus for determining drape of flexible materials. 3,381,528, 5–7–68, Cl. 73—159.
Adams, Charles R., to Shell Oil Co. Akylpyridine production. 3,412,096, 11–19–68, Cl. 260—290.
Adams, Clarence H. Hand held multi-channel magnetic tape eraser. 3,373,250, 3–12–68, Cl. 179—100.2.
Adams, Clark E.: *See*—
Mason, Ralph B., Hamner, and Adams. 3,367,862.
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Phillips, Brain L., and Adams. 3,372,681.
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Phillips, Brian L., and Adams. 3,372,683.
Phillips, Brian L., and Adams. 3,406,672.
Adams, Derek S., and B. L. Phillips, to Joseph Lucas (Industries) Ltd. Spark ignition systems. 3,377,998, 4–16–68, Cl. 123—148.
Adams, Dolor N., to Harris-Intertype Corp. Ink transfer member. 3,418,935, 12–31–68, Cl. 101—348.
Adams, Dolor N., and D. C. Thomas, to Harris-Intertype Corp. Presensitized positive working lithographic plate. 3,373,021, 3–12–68, Cl. 96—33.
Adams, Dolor N., and D. C. Thomas, to Lithoplate, Inc. Plate base adapted to receive light-sensitive coating. 3,386,850, 6–4–68, Cl. 117—75.
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Adams, Edward R., to Commercial Filters Corp. Impregnated self-supporting honeycombed filter cartridge. 3,398,837, 8–27–68, Cl. 210—496.
Adams, Edward R., and J. L. Shepherd, to Commercial Filters Corp. Filter cartridge winding apparatus. 3,398,904, 8–27–68, Cl. 242—18.
Adams, Edward R., J. L. Shepherd, and J. V. Piacitelli, to Commercial Filters Corp. Apparatus for making filter tubes. 3,398,905, 8–27–68, Cl. 242—35.5.
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Adams, Floyd N., V. D. Cooper, and J. E. Sommers, to DCA Food Industries, Inc. Shaped doughnut cutting device. 3,396,677, 8–13–68, Cl. 107—14.

Adams, Frank H. Power driven winch. 3,392,926, 7–16–68, Cl. 242—54.

Adams, Frederick J., to Cam Gear (Luton) Ltd. Power steering valve. 3,404,704, 10–8–68, Cl. 137—625.22.

Adams, Frederick J., to Cam Gears (Luton) Ltd. Power steering and like systems. 3,405,523, 10–15–68, Cl. 60—52.

Adams, Frederick J., to Cam Gears (Luton) Ltd. Spool valve with adjustable spring loading. 3,405,735, 10–15–68, Cl. 137—625.69.

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Adams, George C., to Rollform, Inc. Fire rated ceiling grid system. 3,396,997, 8–13–68, Cl. 287—189.36.

Adams, George E. and R. W., and R. A. Horton, to Ramsey Engineering Co. Binless batching system. 3,380,717, 4–30–68, Cl. 259—154.

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Adams, Harry E. Compass oriented fluid velocity and direction sensor. 3,387,491, 6–11–68, Cl. 73—189.

Adams, Herbert D., and B. J. Cottongim, to Texas Instruments Inc. Epitaxially immersed lens and photodetectors and method of making same. 3,371,213, 2–27–68, Cl. 250—211.

Adams, Hope B., to Power Engineering, Inc. Variable proportioning metering pump. 3,390,638, 7–2–68, Cl. 103—2.

Adams, Jack J., to The Dow Chemical Co. Separation of high purity 4-methyl-1,3-pentadiene. 3,394,201, 7–23–68, Cl. 260—681.5.

Adams, James, Jr., to Raybestos-Manhattan, Inc. Slip step pulley dynamometer for testing belts. 3,385,096, 5–28–68, Cl. 73—9.

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Adams, James W., and H. W. Hoftiezer, to American Can Co. Cellulosic copolymer filter material. 3,366,582, 1–30–68, Cl. 260—2.5.

Adams, James W., and H. W. Hoftiezer, to Tee-Pak, Inc. Soil additive composition containing hydrolyzed graft polymer. 3,370,935, 2–27–68, Cl. 71—29.

Adams, James W., and H. W. Hoftiezer, to Tee-Pak, Inc. Paper product containing cellulose graft polymers. 3,395,070, 7–30–68, Cl. 162—146.

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Adams, John, to North American Philips Co., Inc. Multipassage electron multiplier with potential differences between passageways. 3,387,137, 6–4–68, Cl. 250—213.

Adams, John H., and L. Romanzi, Jr., to American Safety Equipment Corp. Adapter device for releasable attachment of a shoulder strap to a lap-type safety belt. 3,369,842, 2–20–68, Cl. 297—389.

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Adams, John S., Jr., to Monsanto Research Corp. Controlling fungi with iodobenzoyl halides. 3,409,723, 11–5–68, Cl. 424—315.

Adams, John W., to Ingersoll-Rand Co. Mounting for tapping conduit plug drill. 3,376,030, 4–2–68, Cl. 266—42.

Adams, Kenneth C., and G. W. Bernhoft, to Allis-Chalmers Mfg. Co. Adjustable lift link. 3,371,945, 3–5–68, Cl. 280—461.

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Adams, Leland D., Jr. Life raft cradle. 3,387,811, 6–11–68, Cl. 248—146.

Adams, Leon M., and C. E. Schuetze, to AMP, Inc. Encapsulation technique. 3,396,116, 8–6–68, Cl. 252—182.

Adams, Marion F., to Inland Container Corp. Bulk pack for cold flow material. 3,385,504, 5–28–68, Cl. 229—23.

Adams, Marion F., to Inland Container Corp. Reinforced bulk pack container. 3,397,831, 8–20–68, Cl. 229—14.

Adams, Matthew M., to Travis Plating Co. Decorative modular knob assembly for drawers, doors, cabinets, and the like. 3,371,373, 3–5–68, Cl. 16—121.

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Adams, Norbert, T. Mukerjee, and J. M. Smith, to General Electric Co. Semiconductor tunnel diode device. 3,375,416, 3–26–68, Cl. 317—234.

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Adams, Paul R., and J. W. Whitesel, to International Telephone and Telegraph Corp. Class of character control circuit for editorial correcting typewriter. 3,414,105, 12–3–68, Cl. 197—20.

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Adams, Richard G., to J. P. Stevens & Co., Inc. Treatment of fibrous glass. 3,375,155, 3–26–68, Cl. 161—93.

Adams, Richard G., to J. P. Stevens & Co., Inc. Ion exchange of glass fibers. 3,382,135, 5–7–68, Cl. 161—93.

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Adams, Robert B., to Moore Products Co. Flow control apparatus. 3,373,759, 3–19–68, Cl. 137—81.5.

Adams, Robert B., to Moore Products Co. Staged oscillating diverting valve. 3,402,728, 9–24–68, Cl. 137—81.5.

Adams, Robert B., and T. J. Huslin, to Moore Products, Co. Fluid control apparatus. 3,373,760, 3–19–68, Cl. 137—81.5.

Adams, Robert H.: *See*—
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Adams, Robert T., and R. O. Schildknecht, to Communication Systems, Inc. Simplified omega receiver utilizing photo-responsive correlator. 3,380,056, 4–23–68, Cl. 343—105.

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Adams, Roger S. Helicopter hoist. 3,380,688, 4–30–68, Cl. 244—17.11.

Adams, Roman A., to The A. B. Dick Co. Ink drop printer. 3,414,668, 12–3 68, Cl. 178—7.7.

Adams, Roman A., and J. J. Maginot, Jr., to A. B. Dick Co. Facsimile system and vidicon rescanning during retrace. 3,369,252, 2–13–68, Cl. 346—75.

Adams, Stanley A., to Adams Electronics, Inc. Delay line reactance device. 3,418,606, 12–24–68, Cl. 333—31.

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Nicholson, John S., and Adams. 3,385,886.
Nicholson, John S., and Adams. 3,385,887.

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Adams, Thomas J., and F. J. Arthen, Jr., to American Cyanamid Co. Antistatics. 3,365,435. 1–23–68, Cl. 260—93.7.

Adams, Vincent A., and L. J. Growney, to Continental Can Co., Inc. Hat box. 3,361,323, 1–2–68, Cl. 229—23.

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Adams, William E., and W. A. Lucht, to United States Steel Corp. Torque balanced rope. 3,374,619, 3–26–68, Cl. 57—148.

Adams, William E., W. R. Bauer, and J. B. Schultheis, to Robertshaw Controls Co. Thermosetting switch support with thermoplastic bearing. 3,392,253, 7–9–68, Cl. 200—168.

Adams, William M., to International Harvester Co. Vehicle wheel adjustment means. 3,401,981, 9–17–68, Cl. 301—132.

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Adamski, Joseph, to Dura Corp. Convertible top mechanism. 3,394,962, 7–30–68, Cl. 296—117.

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Acosta, William A.: *See*—
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Uhlmann, Helmut, and Adam. 3,409,852.

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Adam, W. D., Co., Inc.: *See*—
Adam, William D. 3,374,914.

Adam, William D., to W. D. Adam Co., Inc. Shipping container and structural material therefor. 3,374,914, 3–26–68, Cl. 220—4.

Adamation Inc.: *See*—
Weihe, Clyde R., Jr. 3,363,636.

Adamczyk, Edward S. Indexing grinding feature. 3,416,264, 12–17–68, Cl. 51—216.

ring pilot stage. 3,386,141, [illegible] Cl. [illegible]

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Adams, Derek S., and B. L. Phillips, to Joseph Lucas (Industries) Ltd. Spark ignition systems. 3,377,998, 4–16–68, Cl. 123—148.

Adams, Dolor N., to Harris-Intertype Corp. Ink transfer member. 3,418,935, 12–31–68, Cl. 101—348.

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Adams, Doris E., ½ to H. L. Foster. Puzzle game. 3,402,934, 9–24–68, Cl. 273—156.

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Adams, Earl C., to System's Corp. Fuel metering system for vehicles. 3,410,134, 11–12–68, Cl. 73—113.

Adams, Edward N., to International Business Machines Corp. Tutorial system. 3,371,321, 2–27–68, Cl. 340—172.5.

Adams, Edward R., to Commercial Filters Corp. Impregnated self-supporting honeycombed filter cartridge. 3,398,837, 8–27–68, Cl. 210—496.

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Adams, Edward R., J. L. Shepherd, and J. V. Placitelli, to Commercial Filters Corp. Apparatus for making filter tubes. 3,398,905, 8–27–68, Cl. 242—35.5.

Adams, Edward R., and J. L. Shepherd, to Commercial Filters Corp. Process of making impregnated filter tubes. 3,399,092, 8–27–68, Cl. 156—74.

Adams, Edwin M., to General Motors Corp. Reveal molding installation and clip. 3,413,770, 12–3–68, Cl. 52—208.

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Adams, Harold E., to The Nash Engineering Co. Device for pumping liquid and gas. 3,366,061, 1-30-68, Cl. 103—6.

Adams, Harry A. and R. Zorska, to The Standard Oil Co. Rod and block energy storage apparatus. 3,413,151, 11-26-68, Cl. 136—83.

Adams, Harry E. Compass oriented fluid velocity and direction sensor. 3,387,491, 6-11-68, Cl. 73—189.

Adams, Herbert D., and B. J. Cottongim, to Texas Instruments Inc. Epitaxially immersed lens and photodetectors and method of making same. 3,371,213, 2-27-68, Cl. 250—211.

Adams, Hope B., to Power Engineering, Inc. Variable proportioning metering pump. 3,390,638, 7-2-68, Cl. 103—2.

Adams, Jack J., to The Dow Chemical Co. Separation of high purity 4-methyl-1,3-pentadiene. 3,394,201, 7-23-68, Cl. 260—681.5.

Adams, James, Jr., to Raybestos Manhattan, Inc. Slip step pulley dynamometer for testing belts. 3,385,096, 5-28-68, Cl. 73—9.

Adams, James H., P. E. Beam, Jr., and E. W. Spears, Jr., to General Motors Corp. Gas turbine recuperator. 3,368,616, 2-13-68, Cl. 165—164.

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Adams, James M. Urinal chair. 3,383,713, 5-21-68, Cl. 4—134.

Adams, James W., and H. W. Hoftiezer, to American Can Co. Cellulosic copolymer filter material. 3,366,582, 1-30-68, Cl. 260—2.5.

Adams, James W., and H. W. Hoftiezer, to Tee-Pak, Inc. Soil additive composition containing hydrolyzed graft polymer. 3,370,935, 2-27-68, Cl. 71—29.

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Adams, Jay C., to Ranco Inc. Dryer control. 3,364,586, 1-23-68, Cl. 34—45.

Adams, Joe T.: *See*—
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Adams, John: *See*—
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Adams, John, to North American Philips Co., Inc. Multipassage electron multiplier with potential differences between passageways. 3,387,137, 6-4-68, Cl. 250—213.

Adams, John H., and L. Romanzi, Jr., to American Safety Equipment Corp. Adapter device for releasable attachment of a shoulder strap to a lap-type safety belt. 3,369,842, 2-20-68, Cl. 297—389.

Adams, John P.: *See*—
Kern, Joseph F., Desnoes, and Adams. 3,397,031.

Adams, John S., to Federal-Mogul Corp. Bearing retainer and method of making and assembling same. 3,368,854, 2-13-68, Cl. 308—201.

Adams, John S., to Federal-Mogul Corp. Clutch release bearing. 3,390,927, 7-2-68, Cl. 308—135.

Adams, John S., Jr., to Monsanto Research Corp. Controlling fungi with iodobenzoyl halides. 3,409,723, 11-5-68, Cl. 424—315.

Adams, John W., to Ingersoll-Rand Co. Mounting for tapping conduit plug drill. 3,376,030, 4-2-68, Cl. 266—42.

Adams, Kenneth C., and G. W. Bernhoft, to Allis-Chalmers Mfg. Co. Adjustable lift link. 3,371,945, 3-5-68, Cl. 280—461.

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Phillips, Brian L., and Adams. 3,372,682.
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Adams, Derek S., and B. L. Phillips, to Joseph Lucas (Industries) Ltd. Spark ignition systems. 3,377,998, 4-16-68, Cl. 123—148.
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Adams, Dolor N., and D. C. Thomas, to Lithoplate, Inc. Plate base adapted to receive light-sensitive coating. 3,386,850, 6-4-68, Cl. 117—75.
Adams, Donald F.: *See*—
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Adams, Donald W., J. P. Nadzam, and R. E. Walter, to General Electric Co. Safety interlock for master controller. 3,410,151, 11-12-68, Cl. 74—483.
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Adams, Douglas P., to United States of America, Air Force. Nomographic computer scanning means including cantilever means to support the film memory. 3,369,126, 2-13-68, Cl. 250—219.
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Adams, Harry A., and R. Zorska, to The Standard Oil Co. Rod and block energy storage apparatus. 3,413,151, 11–26–68, Cl. 136—83.

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Adams, Hope B., to Power Engineering, Inc. Variable proportioning metering pump. 3,390,638, 7–2–68, Cl. 103—2.

Adams, Jack J., to The Dow Chemical Co. Separation of high purity 4-methyl-1,3-pentadiene. 3,394,201, 7–23–68, Cl. 260—681.5.

Adams, James, Jr., to Raybestos-Manhattan, Inc. Slip step pulley dynamometer for testing belts. 3,385,096, 5–28–68, Cl. 73—9.

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Adams, James W., and H. W. Hoftiezer, to American Can Co. Cellulosic copolymer filter material. 3,366,582, 1–30–68, Cl. 260—2.5.

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Adams, John H., and L. Romanzi, Jr., to American Safety Equipment Corp. Adapter device for releasable attachment of a shoulder strap to a lap-type safety belt. 3,369,842, 2–20–68, Cl. 297—389.

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Adams, John W., to Ingersoll-Rand Co. Mounting for tapping conduit plug drill. 3,376,030, 4–2–68, Cl. 266—42.

Adams, Kenneth C., and G. W. Bernhoft, to Allis-Chalmers Mfg. Co. Adjustable lift link. 3,371,945, 3–5–68, Cl. 280—461.

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Akustische u. Kino-Gerate Gesellschaft m.b.H.: *See*—
Cech, Karl. 3,361,402.
Fidl, Werner, and Weingartner. 3,393,271.
Gorike, Rudolf. 3,364,315.
Marschall, Otto. 3,414,675.
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Weingartner, Bernhard. 3,361,876.
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Akutin, Modest S.: *See*—
Gorbunov, Vadim N., Akutin, Sagalaev, Faidel, Sokolov, Aleinikova, Preobrazhensky, and Chernyshev. 3,410,814.
Kargin, Valentin A., Kotrelev, Akutin, Opolovenkov, Andrianov, and Kotrelev. 3,403,129.

Akutin, Modest S., L. A. Rodivilova, and S. L. Gershkokhen, to Gosudarstveny Nauchno-Issledovatelsky Institute Plastichesklkh mass. Method of preparing phenolformaldehyde resins employing an organic solvent to dissolve the phenol. 3,419,527, 12-31-68, Cl. 260—57.

Akwell Corp., The: *See*—
Povlacs, Lawrence. 3,391,803.

Al, René J.: *See*—
Larson, Paul A., and Al. 3,379,791.

Alabama Metal Industries Corp.: *See*—
Petrig, David. 3,395,506.

Alabastro, Pura Z. Toy projectile having streamers and a metal cap. 3,368,815, 2-13-68, Cl. 273—106.

Alaburda, Raymond D., H. A. Beam, A. A. Buehler, and D. D. Rudy, to E. I. du Pont de Nemours and Co. Process for freezing food using liquid refrigerant. 3,368,363, 2-13-68, Cl. 62—64.

Aladdin Industries Inc.: *See*—
Guldi, William R. 3,363,466.
Hebard, Hugh C., and Dearing. 3,367,317.
Rownd, Robert M., and Bridges. 3,406,532.
Rownd, Robert M., and Petty. 3,384,923.

Aladdin Industries Ltd.: *See*—
Hebard, Hugh C. 3,388,961.
Hebard, Hugh C. 3,406,003.
Hebard, Hugh C., and Dearing. 3,389,715.

Aladdin Mfg. Co.: *See*—
Wintz, Donald E. 3,405,704.

Aladdin Mfg. Co., Inc.: *See*—
Keegan, Robert M., and Jones. 3,371,702.

Alafi, Moshe, W. Birnbaum, F. C. Ford, and C. S. Godfrey, to Berkeley Scientific Laboratories. Fire warning device. 3,378,829, 4-16-68, Cl. 340—228.

Alagy, Jacob, to Institut Francais du Petrole, des Carburants et Lubrifiants. Purification of terephthalic acid. 3,361,804, 1-2-68, Cl. 260—525.

Alagy, Jacob, to Institut Francais du Petrole des Carburants et Lubrifiants. Process for manufacturing terephthalic acid. 3,387,027, 6-4-68, Cl. 260—524.

Alais, Pierre. Displacement measuring apparatus including diode compensation resistances. 3,398,362, 8–20–68, Cl. 324—61.

Alajouanine, Remi, to Forges et Ateliers de Meudon. Impact wrenches. 3,362,486, 1–9–68, Cl. 173—93.5.

Alamance Industries, Inc.: *See*—
Allred, Charles R. 3,367,146.
Comer, Marvin H., and Busick. 3,360,838.
Comer, Marvin H., and Fain. 3,367,096.
Comer, Marvin H., and McCracken. 3,413,796.
Simmons, John C. 3,386,270.

Alampi, Daniel A., to General Electric Co. Metal-coated plastic laminate. 3,388,036, 6–11–68, Cl. 161—185.

Alamprese, Leo, to Honeywell Inc. Damper apparatus including inflatable sealing member. 3,366,032, 1–30–68, Cl. 98—121.

Alarm Device Mfg. Co.: *See*—
Guthart, Leo A. 3,389,236.

Alaskaug, Inc.: *See*—
Miller, Robert W. 3,362,489.
Miller, Robert W. 3,406,768.

Alban, Clarence F., to W. M. Chace Co. Temperature compensated magnetic field responsive material. 3,378,357, 4–16–68, Cl. 29—183.5.

Alban, Clarence F., and C. C. Perry, to W. M. Chace Co. Laminated humidity responsive element having improved water vapor absorptive qualities. 3,392,583, 7–16–68, Cl. 73—337.

Albanese, Anthony A., to United States of America, Navy. Microwave means and method for measuring the electrolytic content of solution. 3,379,971, 4–23–68, Cl. 324—58.5.

Albanese, Francesco, E. Padula, and M. Principi, to Montecatini-Edison S.p.A. Process for the catalytic production of hydrocyanic acid. 3,379,500 4–23–68, Cl. 23—151.

Albanese, George R., and R. C. Hall, to The Ball & Socket Mfg. Co. Pull device for slide fasteners. 3,409,322, 11–5–68, Cl. 294—26.

Albanese, Pietro: *See*—
Crotti, Argento, and Albanese. 3,370,910.

Albarda, Scato, to North American Philips Co. Inc. Device for defining the displacement of a machine tool with the aid of raster and rotating optical element. 3,371,215, 2–27–68, Cl. 250—237.

Albarda, Scato, to North American Philips Co., Inc. Position measuring device employing a rotating reflecting polyhedron to superimpose the reflection of a first raster onto a second raster, and photocels for detecting the resultant movement. 3,384,754, 5–21–68, Cl. 250—224.

Albedyll, Joachim V.: *See*—
Kiper, Gerd, Engelsmann, Albedyll, and Schroeder. 3,380,356.

Albedyll, Joachim V., and G. Kiper, to Agfa Aktiengesellschaft. Automatic exposure control for photographic cameras. 3,393,619, 7–23–68, Cl. 95—10.

Albemarle Paper Co.: *See*—
Booth, Shirley H., and Lepisto. 3,412,925.
Erickson, Richard C., and Williams. 3,403,045.
Gottwald, Bruce C., and Haigh. 3,399,074.
Kilgore, William E. 3,396,902.
Lepisto, John G. 3,391,515.
Lepisto, John G. 3,396,638.
Lepisto, John G., and Tilton. 3,408,903.
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Albemarle Paper Mfg. Co.: *See*—
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Alberani, Julius. Temperature responsive device. 3,361,349, 1–2–68, Cl. 236—87.

Alberani, Julius, to Holley Carburetor Co. Pressure regulator. 3,366,315, 1–30–68, Cl. 230—114.

Alberani, Julius, and R. J. Savage, to Holley Carburetor Co. Gas turbine engine fuel control. 3,365,883, 1–30–68, Cl. 60—39.28.

Alberghini, Alfred C.: *See*—
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Albers, George F., and W. I. McClanahan, to General Electric Co. Powdered brazing mixture. 3,383,197, 5–14–68, Cl. 75—.5.

Albersheim, Walter J., to Spencer-Kennedy Laboratories, Inc. High frequency transmission system. 3,395,370, 7–30–68, Cl. 333—18.

Albert, Alfred A., to Hercules Inc. Gelled aqueous slurry explosive composition containing an inorganic nitrite. 3,390,031, 6–25–68, Cl. 149—45.

Albert, Alfred A., and R. W. Lawrence, to Hercules Inc. Gelled aqueous slurry explosive composition containing as a gas generating agent a carbonate or bicarbonate with a nitrite. 3,390,032, 6–25–68, Cl. 149—45.

Albert, Harry E., to Pennsalt Chemicals Corp. Polymerization inhibition of alkylhydroxylamine salts. 3,392,204, 7–9–68, Cl. 260—666.5.

Albert, Harry E., and A. C. Whiton, to Pennsalt Chemicals Corp. Inhibiting popcorn polymer formation. 3,371,124, 2–27–68, Cl. 260—666.5.

Albert, Harry E., and P. G. Haines, to Pennsalt Chemicals Corp. Stopping agents for emulsion polymerization processes comprising N,N′-dialkyl-N,N′-methylenebishydroxylamines. 3,402,138, 9–17–68, Cl. 260—29.7.

Albert, Harry E., and P. G. Haines, to Pennsalt Chemicals Corp. Process for retarding the formation of popcorn polymer formation in olefin monomer recovery system. 3,417,154, 12–17–68, Cl. 260—666.5.

Albert, Herman. Adjustable clamp. 3,383,101, 5–14–68, Cl. 269—167.

Albert, John R., A. Pickinpaugh, and J. D. Clevenger; said Pickinpaugh and said Clevenger assors. to said Albert. Valve for liquid containers. 3,392,886, 7–16–68, Cl. 222—212.

Albert, John R., and M. J. Grebowiec, to Brockway Glass Co., Inc. Apparatus for extruding composite blow molding parisons. 3,417,432, 12–24–68, Cl. 18—14.

Albert, Kenneth J., and H. J. Young, to United Aircraft Corp. Optimum response tip seal. 3,391,904, 7–9–68, Cl. 253—77.

Albert, Kris G. Heat exchange apparatus for the employment of flue gas heat. 3,404,674, 10–8–68, Cl. 126—101.

Albert, Marcel O. One-piece mold cavity element for producing expanded polystyrene drinking cup. 3,377,654, 4–16–68, Cl. 18—5.

Albert, Philippe, L. Renucci, P. Lehr, and G. Gosse; said Albert, Renucci, and said Lehr, assors. to Societe Anonyme Heurtey, and said Gosse assor. to Centre National de la Recherche Scientifique. Methods of and devices for purifying high melting-point metals. 3,406,056, 10–15–68, Cl. 75—84.

Albert, Richard J., to E. I. du Pont de Nemours and Co. Extruding apparatus. 3,418,687, 12–31–68, Cl. 18—14.

Albert, Rudolf, Firma: *See*—
Pechstein, Fred. 3,399,836.

Albert, Rudolph M., Jr.: *See*—
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Albertine, Albert W., and J. P. Stephens, to McDonnell Douglas Corp. Adjustable passenger reading lights and utilities. 3,370,813, 2–27–68, Cl. 244—118.

Alberto-Culver Co.: *See*—
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Alberts, Jack B., to Halliburton Co. Oriented perforate test and cement squeeze apparatus. 3,414,071, 12–3–68, Cl. 175—4.51.

Albertson, Clarence E., to Borg-Warner Corp. Friction element having a layer of porous sintered metal fibers. 3,390,750, 7–2–68, Cl. 192—107.

Albertson & Co., Inc.: *See*—
Sogge, Olin D. 3,364,625.

Albertson, Noel F., to Sterling Drug Inc. 1,2,3,4,5,6-hexahydro-3-(cycloalkyl-lower alkylene-) - 2,6 - methano-3-naphth [2,1-f]azocines. 3,382,249, 5–7–68, Cl. 260—293.

Albertson, Orris E., to Dorr-Oliver Inc. Fluidized bed combustion system. 3,366,080, 1–30–68, Cl. 110—8.

Albertson, Orris E., to Dorr-Oliver Inc. Waste treatment for phosphorous removal. 3,386,911, 6–4–68, Cl. 210—18.

Albertson, Orris E., to Dorr-Oliver Inc. Sewage treatment including sludge disposal through digestion. 3,394,[illegible] 7–30–68, Cl. 210—195.

Albertson, Orris E., to Dorr-Oliver Inc. Waste treatment process and process and apparatus for recovering lime. 3,409,545, 11–5–68, Cl. 210—5.

Albertson, Orris E., and W. E. Budd, to Dorr-Oliver, Inc. Treatment and disposal of waste sludges. Re. 26,514, 12–31–68, Cl. 110—8.

Albertson, Orris E., and W. M. H. Kilmer, to Dorr-Oliver Inc. Waste burning system with internal screen deliquefiers. 3,375,794, 4–2–68, Cl. 110—8.

Albertson, William C., and J. C. Cahlik, to Owens-Illinois Glass Co. Method and apparatus for supporting and gauging an article. 3,364,728, 1–23–68, Cl. 73—37.5.

Albertsson, Per-Ake, to LKB-Produkter AB. Rotary sedimentation and counter-current extraction apparatus. 3,363,991, 1–16–68, Cl. 23—269.

Albertzart, Roy R.: *See*—
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Albinak, Marvin J., and W. H. Turner, to Owens-Illinois, Inc. Multi-color photoluminescent glass systems. 3,374,381, 3–19–68, Cl. 313—108.

Albini, Bruno, and B. Taole. Hosiery filaments cutting device. 3,382,685, 5–14–68, Cl. 66—145.

Albiswerk Zurich A.G.: *See*—
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Hurlimann, Armin. 3,383,523.
Tschannen, Gottfried. 3,383,628.

Albiswerk Zurich S.A.: *See*—
Aemmer, Peter. 3,372,278.
Welti, Arno. 3,371,887.

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Albrecht, Arthur W., to Pearson Candy Co. Apparatus for wrapping a confectionery product. 3,391,520, 7–9–68, Cl. 53—202.

Albrecht, Carl J., to Kolene Corp. Workpiece loading fixture. 3,410,594, 11–12–68, Cl. 294—81.

Albrecht, Cord, and W. Kafka, to Siemens Aktiengesellschaft. Superconducting magnet coil. 3,391,362, 7–2–68, Cl. 335—216.

Albrecht, Harry A., and J. T. Plati, to Hoffmann-La Roche Inc. Sulfonamides and processes. 3,400,122, 9–3–68, Cl. 260—239.9.

Albrecht, Jürgen, H. Hönicke, and R. Ruder, to Institut fur Polygraphische Maschinen. Method for testing relative surface movements. 3,379,068, 4–23–68, Cl. 73—432.

Albrecht, Konrad: *See*—
Scherer, Otto, and Albrecht. 3,440,144.

Albrecht, Lyndon, to Indiana General Corp. Metal detector with adjustable frame assembly. 3,361,962, 1–2–68, Cl. 324—41.

Albrecht, Otto J., to Borg-Warner Corp. Combined reader-reeler with variable tension web control. 3,405,857, 10–15–68, Cl. 226—195.

Albrecht, Robert, to Georg Fischer Aktiengesellschaft. Smooth pipe connection especially for pipes of synthetic material. 3,404,905. 10–8–68, Cl. 285—249.

Albrecht, Robert G., to Wismer & Becker Contracting Engineers. Rotor handling device and method of installing rotors. 3,394,452, 7–30–68, Cl. 29—596.

Albrecht, Robert J.: *See*—
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Albrecht, Walter A. Fuel vaporizer for internal combustion engines. 3373,726, 3–19–68. Cl. 123—122.

Albright, Bruce S., to General Motors Corp. Freezing tray. 3,386,698, 6–4–68, Cl. 249—131.

Albright, Charles B., to Sperry Rand Corp. Sheet item alignment device for sheet handling system. 3,389,904, 6–25–68, Cl. 271—52.

Albright, Charles B., to Sperry Rand Corp. All fluid unit record accelerator. 3,405,977, 10–15–68, Cl. 302—29.

Albright, Charles B., to Sperry Rand Corp. Sheet separator. 3,411,770, 11–19–68, Cl. 271—26.

Albright, Charles B., to Sperry Rand Corp. Sheet handling system employing an all fluid transport technique. 3,411,829, 11–19–68, Cl. 302—29.

Albright, Charles D.: *See*—
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Albright, Gerard P.: *See*—
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Albright, Jay D., and L. Goldman, to American Cyanamid Co. Process of oxidation of primary and secondary alcohols to corresponding carbonyl derivatives. 3,364,219, 1–16–68, Cl. 260—285.

Albright, Jay D., and L. Goldman, to American Cyanamid Co. Novel 17 - [(methylthio)methoxy]yohimbanes. 3,373,166, 3–12–68, Cl. 260—287.

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Albright, Penrose L. Emergency wheel having individual resilient spoke and tread portions. 3,380,779, 4–30–68, Cl. 301—38.

Albright, Penrose L. Electric battery in combination with article of manufacture. 3,391,752, 7–9–68, Cl. 180—65.

Albright & Wilson Ltd.: *See*—
Hoye, Peter A. T. 3,415,857.

Albright & Wilson (Mfg.) Ltd.: *See*—
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Albsmeier, Hans: *See*—
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Alburger, James R. Process for fluorescence detection of extremely small flaws. 3,386,920, 6–4–68, Cl. 252—301.2.

Alburger, James R. Water-free penetrant inspection process and materials. 3,415,112, 12–10–68, Cl. 73—104.

Alburn, Harvey E., N. H. Grant, and D. E. Clark, to American Home Products Corp. Mercaptosuccinamic derivatives of aminosteroids. 3,382,257, 5–7–68, Cl. 260—397.1.

Alburn, Harvey E., and D. William, to American Home Products Corp. Bisulfite addition compounds of carbohydrate periodate oxidation products. 3,388,115, 6–11–68, Cl. 260—210.

Alburn, Harvey E., and W. Dvonch, to American Home Products Corp. α-L-(9-adeninyl)-α'-D-(hydroxymethyl)-diglycolic aldehyde, phosphate esters. 3,395,148, 7–30–68, Cl. 260—252.

Alburn, Harvey E., and N. H. Grant, to American Home Products Corp. Treatment of inflammations by administering a cycloleucyl compound. 3,419,655, 12–31–68, Cl. 424—305.

Albus, Francis E.: *See*—
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Alco Standard Corp.: *See*—
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Ipsen, Harold N. 3,365,182.
Ipsen, Harold N. 3,399,875.
Marquardt, William A., and Bednarski. 3,388,973.
Morgan, Fred W., and Ipsen. 3,368,802.

Alcock, Robert N.: *See*—
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Alcorn, Maurice L., Jr., to E. I. du Pont de Nemours and Co. Double plug valve. 3,371,680, 3–5–68, Cl. 137—340.

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Alden, Charles L., and D. F. Berkey, to Minnesota Mining & Mfg. Co. Container. 3,415,407, 12–10–68, Cl. 220—4.

Alden, Harry E., to Johnson & Johnson. Machines for making swabs with cotton tips. 3,389,436, 6–25–68, Cl. 19—145.3.

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Alden, Milton. Adhesive electrolytic recording paper. 3,373,090, 3–12–68, Cl. 204—2.

Alden, Milton, to Alden Research Foundation. Electrical harness. 3,375,406, 3–26–68, Cl. 317—99.

Alden, Milton, to Alden Reseach Foundation. Recorder. 3,417,405, 12–17–68, Cl. 346—145.

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Brush, Stephen G., and Alden. 3,363,584.

Aldenhoff, Bernard J., to Harnischfeger Corp. High speed pulse welding. 3,398,255, 8–20–68, Cl. 219—108.

Aldenhoff, Bernard J., and J. N. Kuhr, Jr., to Harnischfeger Corp. Arc power supply using solid state control devices for phase shifting. 3,371,242, 2–27–68, Cl. 315—139.

Alderfer, Rodney L.: *See*—
Zieber, George M., and Alderfer. 3,411,373.

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Alderfer, Sterling W. 3,397,639.

Alderfer, Sterling W., to Sterling Alderfer Co. Molded tires. 3,379,236, 4–23–68, Cl. 152—344.

Alderfer, Sterling W., to Sterling Alderfer Co. System for metering, mixing and dispensing degasified urethane elastomers. 3,390,813, 7–2–68, Cl. 222—134.

Alderfer, Sterling W., to Sterling Alderfer Co. Tire construction, 3,392,072, 7–9–68, Cl. 156—123.

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Alderfer, Sterling W., to Sterling Alderfer Co. Reinforced ignition tube. 3,397,639, 8–20–68, Cl. 102—70.

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Alderson, Geoffrey W., J. K. Hambling, and A. A. Yeo, to The British Petroleum Co., Ltd. Catalyst and polymerisation process using said catalyst. 3,389,190, 6–18–68, Cl. 260—683.15.

Alderson, John M. Cervical traction collar. 3,364,926, 1–23–68, Cl. 128—75.

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Kerr, Peter R., and Alderson. 3,384,529.

Aldighieri, Rudolph P., to Elastic Stop Nut Corp. of America. Adaptors for terminating devices in high voltage power cables. 3,378,627, 4–16–68, Cl. 174—73.

Aldinger, Joseph R. Tie rod safety attachment. 3,361,457, 1–2–68, Cl. 287—90.

Aldinger, Ulrich, to Robert Bosch G.m.b.H. Fuel injection pump. 3,363,574, 1–16–68, Cl. 103—41.

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Aldous, George C., to Westinghouse Electric Corp. Electric water heater. 3,414,707 12–3–68, Cl. 219—322.

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Aldrich Chemical Co., Inc.: *See*—
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Aldrich, Paul H., to Hercules Inc. Process of sizing paper with a reaction product of rosin, formaldehyde and monocarboxylic acid and sized paper thereof. 3,361,619, 1–2–68, Cl. 162—180.

Aldrich, William L., Jr., and W. J. De Beaublen, to General Motors Corp. Automobile air admission system. 3,388,654, 6–18–68, Cl. 98—2.

Aldridge, Clarence F., and R. J. Melville, to Taylor Instrument Companies. Grill thermometer. 3,394,593, 7–30–68, Cl. 73—363.9.

Aldridge, Clyde L., G. P. Hamner, and R. B. Mason, to Esso Research and Engineering Co. Combination caustic and hydrorefining process. 3,367,861, 2–6–68, Cl. 208—211.

Aldridge, Clyde L., and J. D. Koontz, to Esso Research and Engineering Co. Regeneration of hydrogenation catalysts. 3,406,156, 10–15–68, Cl. 260—82.

Aldridge, Frank S., Jr., to General Electric Co. Adjustable transformer core clamp. 3,419,836, 12–31–68, Cl. 336—210.

Aldridge, Gerald R., to E. I. du Pont de Nemours and Co. Phenazine derivatives. 3,375,251, 3–26–68, Cl. 260—267.

Aldrin, Henry W., to Aktiebolaget Bofors. Recoiling field gun mounted on a carriage lifted off wheels for firing. 3,366,009, 1–30–68, Cl. 89—40.

Aldrin, Henry W., to Aktiebolaget Bofors. Depth charge launcher for a rocket propelled missile. 3,367,232, 2–6–68, Cl. 89—1.

Alelnikova, Inga N.: *See*—
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Alen, Benjamin F., and L. C. Fridd, to Bausch & Lomb, Inc. Holding device for cylindrical objects. 3,398,828, 8-27-68, Cl. 206—72.

Alesi, John, Jr., and J. A. Alesi, to Formex Mfg. Inc. Vacuum forming apparatus. 3,398,434, 8-27-68, Cl. 18—19.

Alesi, John A.: *See*—
Alesi, John, Jr., and J. A. Alesi. 3,398,434.

Aleson, Robert N.: *See*—
Duncan, Theodore R., and Aleson. 3,410,564.

Alessandro, Joseph P. Strap for limiting the expansion of the bellows of an accordion. 3,416,400, 12-17-68, Cl. 84—376.

Alessi, Vincent J. Method and apparatus for making a circuit component with a circuit element and wire leads sealed in a glass sleeve. 3,365,284, 1-23-68, Cl. 65—59.

Alexander, Andrew, D. H. Jack, and E. A. Kreiter, to Gulf Oil Corp. Preparation of a low acid wash color cumene. 3,381,049, 4-30-68, Cl. 260—671.

Alexander, Arthur D., to International Business Machines Corp. Teaching machine. 3,363,333, 1-16-68, Cl. 35—19.

Alexander, Charles F., Jr., to Kiekhaefer Corp. Multiple drive shafts. 3,368,420, 2-13-68, Cl. 74—410.

Alexander, Charles F., Jr., and D. F. McCormick, to Brunswick Corp. Actuating means for marine clutch. 3,399,647, 9-3-68, Cl. 115—34.

Alexander, Douglas S., H. Minnis, and C. Ambridge, to Polymer Corp. Ltd. Dehydrogenation catalysts containing chromium phosphate, and their method of preparation. 3,380,932, 4-30-68, Cl. 252—437.

Alexander, Douglas S., H. Minnis, and B. H. Oliver, to Polymer Corp. Ltd. Dehydrogenation catalysts containing bismuth compounds and calcium nickel phosphate. 3,396,205, 8-6-68, Cl. 260—680.

Alexander, Edwin S. Spillproof containers. 3,400,855, 9-10-68, Cl. 220—90.4.

Alexander, Edwin W. Bed traction unit. 3,398,742, 8-27-68, Cl. 128—75.

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Alexander, Frank, Jr., to Morgan Construction Co. Zoned reheat furnace. 3,416,777, 12-17-68, Cl. 263—6.

Alexander, Gilbert D., to American Air Filter Co., Inc. Method and apparatus for making filamentous mats. 3,382,123, 5-7-68, Cl. 156—167.

Alexander, Granison T., Jr., to Gem Oil Co., Inc. Well bore wall cleaning tool. 3,390,725, 7-2-68, Cl. 166—172.

Alexander, Guy B., to E. I. du Pont de Nemours and Co. Dispersion-strengthened, low melting point metals. 3,377,143, 4-9-68, Cl. 29—182.5.

Alexander, Guy B., S. F. West, and P. C. Yates, to Fansteel Metallurgical Corp. Process for making chromium, cobalt and/or nickel containing powder having dispersed refractory metal oxide. 3,386,814, 6-4-68, Cl. 75—.5.

Alexander, Guy B., and J. B. Lambert, to Fansteel Metallurgical Corp. Process for producing alloys containing chromium and dispersed refractory metal oxide particles. 3,393,067, 7-16-68, Cl. 75—130.5.

Alexander, Harry W. Automatic dispensing food grill. 3,380,377, 4-30-68, Cl. 99—423.

Alexander, Harry W. Rotary bun grill. 3,418,920, 12-31-68, Cl. 99—386.

Alexander, Jack P., to The Samuel Roberts Noble Foundation Inc. Soil sampling apparatus. 3,406,765, 10-22-68, Cl. 175—51.

Alexander, James A., Jr.: *See*—
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Alexander, John D., and W. L. Martin, to Continental Oil Co. Oil well ignition device. 3,379,256, 4-23-68, Cl. 166—60.

Alexander, John M., and B. Lengyel. Extrusion method and apparatus. 3,415,088, 12-10-68, Cl. 72—54.

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Alexander, John M., Jr., and W. H. Hamilton, to Pennsalt Chemicals Corp. Tablet machine. 3,408,963, 11-5-68, Cl. 107—17.

Alexander, John R., to Monsanto Co. Continuous electrodes. 3,365,533, 1-23-68, Cl. 13—18.

Alexander, Larry G., to Catalysts and Chemicals, Inc. Sulfur adsorption. 3,416,293, 12-17-68, Cl. 55—73.

Alexander, Laurence R., to Leesona Corp. Fuel cell control system. 3,364,070, 1-16-68, Cl. 136—86.

Alexander, Laurence R., and E. C. Y. Tung, to Leesona Corp. Fuel cell construction. 3,365,332, 1-23-68, Cl. 136—86.

Alexander, Lawrence G. Template for trimming of dental casts. 3,407,501, 10-29-68, Cl. 32—38.

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Scuitto, Thomas J., and Alexander. 3,375,498.

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Alexander, Richard L., to Gulf Oil Corp. Bag holders. 3,412,965, 11-26-68, Cl. 248—101.

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Alexander, Sonny. Phonograph. 3,404,893, 10-8-68, Cl. 274—1.

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Alfeev, Vladimir N. UHF selective radio receiving system with maximum possible sensitivity. 3,381,225, 4-30-68, Cl. 325—445.

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Alfieri, Giuseppe. System for the automatic braking of vehicles, particularly to perform normal, emergency stationary braking. 3,411,833, 11-19-68, Cl. 303—7.

Alfieri, Giuseppe, and R. Moriondo, to Fabbrica Italiana Magnetti Marelli S.p.A. Commutable shutoff valve with balanced surfaces for pneumatic apparatus, particularly braking systems. 3,399,932, 9-3-68, Cl. 303—54.

Alfieri, Giuseppe, and R. Moriondo, to Fabbrica Italiana Magnetti Marelli S.p.A. Commutable shutoff valve with balanced surfaces for pneumatic apparatus, particularly braking systems. 3,399,933, 9-3-68, Cl. 303—54.

Alford, Andrew. Automatic impedance measuring system utilizing a hybrid-like network operative over a wide range of frequencies. 3,371,273, 2-27-68, Cl. 324—57.

Alford, Andrew. Slot antenna mounted within openwork support tower. 3,394,377, 7-23-68, Cl. 343—767.

Alford, John H., H. A. Armand, W. E. Bray, E. E. Hamilton, L. L. Jasper, R. L. Renker, R. M. Ryon, Jr., and S. D. Moore, to Texas Instruments Inc. Universal electronic test system for automatically making static and dynamic tests on an electronic device. 3,418,573, 12-24-68, Cl. 324—73.

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Alford, Robert M., to H. L. Kotkins. Hinged frame construction for luggage. 3,405,788, 10-15-68, Cl. 190—49.

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Alicot, Michel J. C., and G. R. H. Mingasson, to Etablissments Kuhlmann. Process for vulcanization of elastomers with a small amount of unsaturation. 3,413,273, 11–26–68, Cl. 260—79.5.

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Allais, Andre, and P. Girault, to Roussel-Uclaf. Method for relieving pain and inflammation with 4-(phenyl-amino) quinolene. 3,376,195, 4–2–68, Cl. 167—65.

Allais, Andre, and P. Girault, to Roussel-UCLAF. Dithiocarbamic compounds and process for their preparation. 3,410,842, 11–12–68, Cl. 260—239.3.

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Allander, Claes G. System for ventilating clean rooms. 3,380,369, 4–30–68, Cl. 98—36.

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Alleaume, Jean, to Technigaz. Access hole construction notably for tanks containing liquefied gas. 3,361,286, 1–2–68, Cl. 220—14.

Alleaume, Jean, to Technigaz. Device for automatically controlling the pressure of an enclosed fluid. 3,379,208, 4–23–68, Cl. 137—263.

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Mitchell, Reid L., Murphy, and Allen. 3,364,062.
Mitchell, Reid L., Murphy, and Allen. 3,409,460.

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Allen, Eugene M., to American Cyanamid Co. Calibration of ultraviolet radiation sources. 3,366,789, 1-30-68, Cl. 250—83.3.

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Allen, Frederick C., to British Nylon Spinners Ltd. Means for localizing tension in running yarn. 3,416,206, 12-17-68, Cl. 28—71.3.

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Allen, Harry R., Jr., to Honeywell Inc. Galvanometer damping arrangement using adjustable volume fluid damping. 3,404,342, 10-1-68, Cl. 324—125.

Allen, Harry R., Jr., to Honeywell Inc. Magnetic head with means for assuring firm tape-head contact. 3,414,895, 12-3-68, Cl. 340—174.1.

Allen, Herman C., to Bird & Son Inc. Tube coating apparatus. 3,404,608, 10-8-68, Cl. 93—80.

Allen Industries, Inc.: *See*—
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Allen, James D., to Phillips Petroleum Co. Organic mercury compounds and methods for their preparation. 3,414,599, 12-3-68, Cl. 260—431.

Allen, John D.: *See*—
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Allen, John D., to Fawick Corp. Adjustable, metered, directional flow control arrangement. Re. 26,338, 1-23-68, Cl. 137—117.

Allen, John D., to Fawick Corp. Hydraulic system and remotely operated flow control arrangement therein. 3,381,936, 5-7-68, Cl. 253—1.

Allen, John D., to Fawick Corp. Hydraulic flow divider. 3,385,311, 5-28-68, Cl. 137—101.

Allen, John H., Sr., and O. A. Wobig, to United States of America, National Aeronautics and Space Administration. Apparatus for machining geometric cones. 3,373,640, 3-19-68, Cl. 82—14.

Allen, John K., to Westinghouse Electric Corp. Glass fiber-wood laminates and methods of producing such laminates. 3,413,188, 11-26-68, Cl. 161—195.

Allen, John W., M. Shyam, and G. L. Pearson, to Research Corp. Indium arsenide gunn oscillator. 3,408,594, 10-29-68, Cl. 331—107.

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Allen, Kenneth C., and E. E. Boshinski, to The Hobart Mfg. Co. Automatic weighing scales with recording and totaling apparatus. 3,388,758, 6-18-68, Cl. 177—4.

Allen, Kenneth M. Lazy tong adjustable sorting machines. 3,396,843, 8-13-68, Cl. 209—104.

Allen, Kenneth M., and C. H. Harper. Pneumatic conveying systems. 3,380,780, 4-30-68, Cl. 302—26.

Allen, Kenneth M., and C. H. Harper. Apparatus for removing stems from cherries. 3,401,726, 9-17-68, Cl. 146—55.

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Allen, Lawrence E., to Allis-Chalmers Mfg. Co. Fan assembly for harvesting machinery. 3,392,832, 7-16-68, Cl. 209—318.

Allen, Linus S., Jr., to Mobil Oil Corp. Well logging system having a plurality of light conducting rods of different lengths. 3,413,466, 11-26-68, Cl. 250—71.5.

Allen, Linus S., Jr., and W. R. Mills, Jr., to Mobil Oil Corp. Epithermal neutron and gamma ray detector. 3,413,470, 11-26-68, Cl. 250—83.1.

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Allen, Lloyd R., to National Research Corp. Method of making a niobium stannide coated niobium wire. 3,409,468, 11-5-68, Cl. 117—231.

Allen, Lloyd R., to National Research Corp. Apparatus for evaporation of low temperature semiconductor material by electron beam impingement on the material annd comprising means for draining electric charge from the material. 3,414,655, 12-3-68, Cl. 13—1.

Allen Lloyd R., and R. W. Steeves, to National Research Corp. Vacuum coated product. 3,398,040, 8-20-68, Cl. 161—45.

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Allen, Maurice B., and N. E. Walter, to Columbia Systems Co. Automatic drinking valve. 3,410,249, 11-12-68, Cl. 119—79.

Allen, Melvin O., and S. Graybill. Magnetically responsive fluid flow switch. 3,372,255, 3-5-68, Cl. 200—81.9.

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Allen, Merton, to General Electric Co. Electrode for electrohydraulic systems. 3,416,128, 12-10-68, Cl. 340—12.

Allen, Merton, and E. C. Shrom, to General Electric Co. Electrohydraulic purification apparatus. 3,402,120, 9-17-68, Cl. 204—323.

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Allen, Ralph H. Fire cartridge. 3,401,633, 9-17-68, Cl. 102—32.

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Allen, Richard R., and R. R. Rubert, to Varian Associates. Electromagnetic wave energy absorbing elements for use in high frequency electron discharge devices having traveling wave tube sections. 3,412,279, 11-19-68, Cl. 315—3.5.

Allen, Robert D. Waste disposal. 3,385,240, 5-28-68, Cl. 110—7.

Allen, Robert D. Sewage removal plant. 3,419,149, 12-31-68, Cl. 210—262.

Allen, Robert E., and L. Ambrus, to Cutter Laboratories, Inc. Ether-linked acids and esters of triarylacrylamides. 3,361,790, 1-2-68, Cl. 260—471.

Allen, Robert E., and L. Ambrus, to Cutter Laboratories, Inc. Ether-linked basic amines of triarylacrylamides. 3,361,813, 1-2-68, Cl. 260—559.

Allen, Robert E., and L. Ambrus, to Cutter Laboratories Inc. Urethanes of triarylacrylamides. 3,378,579, 4–16–68, Cl. 260—479.

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Allen, Robert J., to Ex-Cell-O Corp. Machine for fabricating containers. 3,382,775, 5–14–68, Cl. 93—44.1.

Allen, Robert L., to General Motors Co. Cooled seal ring. 3,411,794, 11–19–68, Cl. 277—53.

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Allen, William R. Air turbine propelled toy phonograph. 3,384,378, 5–21–68, Cl. 274—1.

Allen, William S., to United States Steel Corp. Roll seal for vacuum strip-treating chamber. 3,367,667, 2–6–68, Cl. 277—237.

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Randolph, Edward F., and Petelski. 3,394,842.
Revolinsky, Eugene, Beerntsen, and Spiering. 3,406,362.
Rockwell, Harvey W. 3,394,474.
Ryskamp, Neil J. 3,372,256.
Schott, Robert E. 3,363,649.
Schuster, Frank C., and Scribner. 3,367,441.
Sealey, William C., and Waterman. 3,362,000.
Shah, Ramesh P. 3,384,796.
Suchy, Lee R. 3,383,927.

Allis-Chalmers Mfg. Co.: *See*—Continued
Thiele, Tom N. 3,383,561.
Thiele, Tom N. 3,384,799.
Tomter, Scott S. 3,410,783.
Vernati, Homer L. 3,418,872.
Walberg, Maynard E. 3,362,484.
Whisler, Paul A. 3,392,770.
Winograd, Harold. 3,404,331.
Winter, Heinz W. 3,372,881.
Wishman, August F., and Hansen. 3,362,001.
Wochner, Joseph J. 3,361,068.
Wohlford, William P., and Taylor. 3,397,471.
Wondra, Richard J. 3,405,352.

Allis, Louis, Co., The: *See*—
Herrick, Philip E. 3,389,279.
Herrick, Philip E., and Nicol. 3,389,280.
Northern; Gerald D., and Willits. 3,363,897.

Allisbaugh, John H. Aerial mount. 3,408,652, 10–29–68, Cl. 343—715.

Allison, Kenneth C. Electrical connector unit. 3,372,227, 3–5–68, Cl. 174—87.

Allison, Kenneth C. Multiposition rotary electric switch. 3,372,248, 3–5–68, Cl. 200—11.

Allison, Ralph E., and V. Cannon. Low distortion audio oscillator. 3,368,165, 2–6–68, Cl. 331—117.

Allison, Robert D., to United States Envelope Co. Envelopes with integral, detachable coupons contained therein. 3,374,940, 3–26–68, Cl. 229—70.

Allison, Robert D., to United States Envelope Co. Multiple pocket envelope. 3,395,851, 8–6–68, Cl. 229—72.

Allison, Ronald, and P. H. Jilbert, to National Research Development Corp. Prosthetic hand for controlled actuation by electromyogram signals. 3,418,661, 12–31–68, Cl. 3—1.1.

Allison, Ronald J. Harrow for use with farm planting equipment. 3,389,754, 6–25–68, Cl. 172—389.

Allison, Virgil E. Loading attachment. 3,373,885. 3–19–68, Cl. 214—131.

Alltson, William D., to Ford Motor Co. Vehicle suspension of the independent type for driven rear wheels. 3,362,498, 1–9–68, Cl. 180—73.

Allison, William D., to Ford Motor Co. Vehicle variably interconnected suspension system. 3,386,751, 6–4–68, Cl. 280—104.

Allison, William D., to Ford Motor Co. Interconnected vehicle suspension having rear trailing arms. 3,419,101, 12–31–68, Cl. 180—73.

Allister Mfg. Co., Inc.: *See*—
Ellmore, John W. 3,383,577.

Allman, Jack C., and E. F. Elke, to American Can Co. Closure with protective coating and method of manufacture thereof. 3,397,661, 8–20–68, Cl. 113—121.

Allmand, John W. Vertical take-off aircraft. 3,392,935, 7–16–68, Cl. 244—7.

Allmand, Thomas R., to Fabriques de Produits Chimiques de Thann et de Mulhouse. Spiral stairs. 3,418,770, 12–31–68, Cl. 52—187.

Allmänna Svenska Elektriska Aktiebolaget: *See*—
Andersson, Nils E., and Lilja. 3,377,523.
Becklus, Ivar. 3,414,660.
Beckius, Ivar, and Fredriksson. 3,363,044.
Beckius, Ivar, and Fredriksson. 3,366,726.
Bergen, Charles R. 3,378,411.
Berglund, Sten, and Dahle. 3,379,053.
Bergstrom, Lars R. 3,366,841.
Boksjo, Carl I. 3,405,343.
Boksjo, Carl I., and Uhlmann. 3,405,344.
Breitholtz, Bo. 3,379,929.
Breitholtz, Bo, and Jacobsen. 3,379,909.
Bylund, Per-Ake, and Mellgren. 3,364,987.
Davidson, John K., and Miller. 3,378,457.
Eklund, Torsten. 3,395,909.
Feller, Thomas R. 3,377,075.
Fergason, Rector C. 3,380,233.
Flinth, Rune. 3,362,203.
Flinth, Rune. 3,413,846.
Forwald, Haakon, Pucher, and Sindahl. 3,417,217.
Glandin, Constan, and Jansson. 3,380,890.
Grees, Karl L., Gustafsson, and Johansson. 3,412,262.
Hammarlund, Bertil. 3,365,613.
Hannerz, Kare. 3,375,171.
Hansson, Bror. 3,367,397.
Helsing, Erik, and Strom. 3,397,277.
Jacobsen, Clas, and Breitholtz. 3,369,142.
Johansson, Arne. 3,417,291.
Johnsson, Stig. 3,365,925.
Karlsson, Gosta, and Folgero. 3,396,228.
Karlsson, Nils, Lundqvist, Nilsson, and Sivertsen. 3,396,324.
Karsten, Olav. 3,410,102.
Krabbe, Ulrik. 3,368,136.
Lagerström, Gunnar. 3,404,529.
Larose, Gerard M. 3,381,196.
Lindholm, Ingemar, Mueller and Mjorne. 3,414,438.
Loeb, Ernest. 3,375,728.
Madsen, Kristian D. 3,366,813.
Madsen, Kristian D. 3,368,087.
Madsen, Kristian D. 3,405,294.
Madsen, Kristian D. 3,405,297.
Madsen, Kristian D., Helmersson, and Sivertsen. 3,381,154.
Mansson, Ragnar, and Skar. 3,375,172.
Peek, Henry L., and Benham. 3,377,575.
Persson, Erik, and Schiott. 3,364,892.

Allmänna Svenska Elektriska Aktiebolaget: *See*—Continued
Persson, Rune. 3,417,200.
Petersen, Wilhelm. 3,365,686.
Ramrath, Joseph M. 3,378,661.
Rydinger, Mats, and Sundberg. 3,382,311.
Ryskamp, Neil J. 3,376,079.
Schroeder, James E. 3,377,160.
Sodergard, Bengt M., and Daniell. 3,404,582.
Sundberg, Yngve. 3,396,229.
Sundell, Sigvard. 3,379,817.
Svedberg, Per. 3,366,793.
Svedberg, Per, and Spicar. 3,405,332.
Svedberg, Per G. J. Re. 26,428.
Tjernstrom, Ove. 3,380,785.
Virsberg Lars-Goran, and Laurell. 3,412,200.
Widell, Björn, Van Santen, and Glandin. 3,405,033.

Allmark, Reginald H., and W. J. Jones, to The English Electric Co. Ltd. Electric switching means for controlling highly inductive circuits. 3,388,300, 6–11–68, Cl. 317—148.5.

Allmark, Reginald H., and W. R. Abbott, to The English Electric Co. Ltd. Electric data shift register. 3,408,636, 10–29–68, Cl. 340—174.

All-O-Matic Mfg. Corp.: *See*—
Prussin, Simon A. 3,412,610.

Alloy Engineering Co., The: *See*—
Johnson, Carl G. A. 3,395,810.
Johnson, Carl G. A., and Whitten. 3,373,983.

Alloy Surfaces Co.: *See*—
Baldi, Alfonso L., and Nice. 3,375,128.

Alloy Wire Belt Co.: *See*—
Jinkins, Frank. 3,368,665.

Alloys Research & Mfg. Corp.: *See*—
Storchheim, Samuel, and Cross. 3,366,479.

Alloys Unlimited Inc.: *See*—
Elliott, Charles G. 3,404,214.
La Plante, Jerry C. 3,367,756.
La Plante, Jerry C. 3,396,015.
Lueck, Arthur M., and La Plante. 3,409,974.

Allphin, Nylen L., Jr.: *See*—
Abbott, Andrew D., and Allphin. 3,367,867.

Allphin, Nylen L., Jr., to Chevron Research Co. Magnesium overbased phenate. 3,388,063, 6–11–68, Cl. 252—33.4.

Allplas A.G.: *See*—
Hagen, Reinhold. 3,401,818.

Allport, Davies: *See*—
Hutton, William C., Allport, and Wood. 3,371,512.

Allport, John J., to United Aircraft Corp. Automatic O/F control. 3,368,353, 2–13–68, Cl. 60—240.

Allport, John J. Push type golf putter used to impart overspin. 3,394,937, 7–30–68, Cl. 273—175.

Allport, Maurice J., to Joseph Lucas (Industries) Ltd. Electromagnetic horns. 3,373,258, 3–12–68, Cl. 200—166.

Allred, Charles R., to Alamance Industries, Inc. Elastic yarn tensioning and clamping mechanism for knitting machines. 3,367,146, 2–6–68, Cl. 66—134.

Allred, Gary A., to Fleming & Sons, Inc. Wrap-around carrier. 3,392,876, 7–16–68, Cl. 220—115.

Allred, Victor D., to Marathon Oil Co. Single unit delayed coking and calcining process. 3,391,076, 7–2–68, Cl. 208—131.

Allsetts, Frank, and J. Dohlin, to P. Lorillard Co. Cigarette tip. 3,396,733, 8–13–68, Cl. 131—10.5.

Allsop, Robert T., to G. K. N. Screws & Fasteners Ltd. Method of and apparatus for use in tightening a nut and bolt assembly. 3,370,341, 2–27–68, Cl. 29—413.

Allsopp, William C., Jr. Pulsed metering device. 3,397,646, 8–20–68, Cl. 103—149.

Allsports & Marine of Michigan, Inc.: *See*—
Johnson, John D. 3,416,255.

Allstate-Campbell, Inc.: *See*—
Waag, Norman A. 3,388,919.

Alltronics, Inc.: *See*—
Johnson, Richard G. 3,404,306.

Allum, Keith G., and J. F. Ford, to The British Petroleum Co. Ltd. Sulphur- and chlorine-containing E.P. additives for lubricants. 3,403,101, 9–24–68, Cl. 252—48.4.

Allured, Robert B.: *See*—
Treppa, Thomas J., Trulson, and Allured. 3,389,239.

Allwardt, Robert K., to Wolverine World Wide, Inc. Edge trimming apparatus. 3,383,725, 5–21–68, Cl. 12—142.

Allwood, Ronald A.: *See*—
Jones, Samuel H., Allwood, and Bundza. 3,418,150.

Allyn, Harold D. Receiver and housing assembly for a firearm. 3,417,499, 12–24–68, Cl. 42—75.

Allyn, Richard J., to United States of America, Atomic Energy Commission. Coupling and seal for conduits. 3,379,460, 4–23–68, Cl. 285—312.

Alm, Karl S., to Atlas Copco Aktiebolag. Acoustically deadened piling. 3,402,560, 9–24–68, Cl. 61—53.

Alm, Rasmus S. Adjustable light aperture, particularly a slit in a diaphragm in an optical system. 3,397,025, 8–13–68, Cl. 350—271.

Almásy, Andor: *See*—
Sherief, Mohamed K., and Almasy. 3,410,667.
Sherief, Mohamed K. S. E.-D., and Almásy. 3,383,182.

Almasy, David M. Corner clip for use with package strapping. 3,416,652, 12–17–68, Cl. 206—60.

Almenfors, Bo L., and K.-G. S. Johansson, to Aktiebolaget Gylling & Co. Automatic internal combustion engine starting apparatus. 3,387,598, 6–11–68, Cl. 123—41.15.

Almgren, Harald, to Blomqvists Verkstadsaktiebolag. Machine base. 3,363,863, 1–16–68, Cl. 248—19.

Almgren, Harald, to Blomqvists Verkstadsaktiebolag. Selective multiple clutch. 3,400,794, 9–10–68, Cl. 192—48.91.

Almin, Karl E.: *See*—
Kubat, Josef, Pattyranie, Wahrem, Almin, Andersson, and Johanson. 3,396,850.

Almquist, Edgar W., Jr., to Sparkomatic Corp. Spring control means for rear driven automobile axles. 3,406,957, 10–22–68, Cl. 267—67.

Alms, Erhard E., to American Farm Equipment Co. Air heating devices for crop dryers and the like. 3,386,715. 6–4–68, Cl. 263—19.

Almy, Adrian L., to International Minerals & Chemical Corp. Dust suppression of potash salts. 3,393,973, 7–23–68, Cl. 23—89.

Alnor Instrument Co.: *See*—
Peltola, Veikko K., and Obermaier. 3,381,212.
Stein, Herbert S. 3,395,334.

Alofs, Herman G., to Alofs Mfg. Co. Adjustable buckle for over-shoulder safety belts. 3,377,667, 4–16–68, Cl. 24—74.

Alofs Mfg. Co.: *See*—
Alofs, Herman G. 3,377,667.

Aloi, Alfred. Garment finishing machine with fluid control casing and mesh type bag. 3,385,485, 5–28–68. Cl. 223—70.

Aloi, Alfred. Garment shaping bag with resilient inserts. 3,396,881, 8–13–68, Cl. 223—67.

Aloi, Alfred. Garment sleeve spreader. 3,417,905, 12–24–68, Cl. 223—74.

Aloia, Romeo R., and S. Kaizerman, to American Cyanamid Co. Acrylic elastomer. 3,397,193, 8–13–68, Cl. 260—80.81.

Alonso, Jose. Figure toy with magnetically retained parts. 3,375,604, 4–2–68, Cl. 46—22.

Alpen, Cecil W. Broccoli cutter. 3,380,500, 4–30–68, Cl. 146—78.

Alper, Allen M., and R. N. McNally, to Corhart Refractories Co. Basic fused refractory material. 3,391,011, 7–2–68, Cl. 106—59.

Alper, Allen M., and R. N. McNally, to Corhart Refractories Company. MgO-ZrO_2 fused cast refractory. 3,416,938, 12–17–68, Cl. 106—57.

Alper, Frank, to The First National Bank of Stone Harbor. Flow control device. 3,361,160, 1–2–68, Cl. 137—557.

Alpers, Frederick C. Collimated color television display tube. 3,383,547, 5–14–68, Cl. 315—13.

Alpert, Nelson L., E. S. Gillette, J. M. Roche, and A. Savitzky, to The Perkin-Elmer Corp. Recorder using either a stationary or moving chart. 3,380,065, 4–23–68, Cl. 346—29.

Alpert, Norman: *See*—
Eckert, George W., Newman, Dille, and Alpert. 3,377,149.

Alpert, Seymour B., R. H. Wolk, and M. C. Chervenak, to Hydrocarbon Research, Inc. High conversion level hydrogenation of residuum. 3,412,010, 11–19–68, Cl. 208—112.

Alpha Industrial Center: *See*—
Weiss, Adolf F. 3,407,710.

Alpha Press Co.: *See*—
Weiss, Adolf F. 3,407,710.

Alpha, Smith, to Air Sifters, Inc. Classifying system. 3,384,238, 5–21–68, Cl. 209—139.

Alpha, Smith, to Silver Lining, Inc. Lost circulation slurries. 3,411,581, 11–19–68, Cl. 166—29.

Alpiner, Bernard P.: *See*—
Hankin, Robert B., Dallafior, and Alpiner. 3,388,282.

Alsberg, Dietrich A., to Bell Telephone Laboratories, Inc. Multibeam formation means for array radar. 3,406,399, 10–15–68, Cl. 343—16.

Alsco, Inc.: *See*—
Nash, John J. 3,396,628.
Nash, John J. 3,412,640.
Youssi, Dale J. 3,397,561.
Youssi, Dale J., and Brand. 3,374,822.

Alside, Inc.: *See*—
Epstein, George. 3,376,683.
Johnson, Wilbert S. 3,410,931.

Alsis, Pierre. Displacement measuring apparatus including diode compensating resistances. 3,398,362, 8–20–68, Cl. 324—61.

Alsobrook, James S., Jr., to ADX Corp. Tilting accessory for standard bed and tilting Hollywood bed frame. Re. 26,411, 6–25–68, Cl. 5—62.

Alsop, James F., and J. Maltby, to Davy and United Engineering Co., Ltd. Rolling mill roll changing apparatus. 3,365,174, 1–23–68, Cl. 254—95.

Alsop, James F., and J. Maltby, to Davy and United Engineering Co. Ltd. Roll changing arrangement for rolling mills. 3,396,566, 8–13–68, Cl. 72—239.

Alsthom-Savoisienne: *See*—
Vincent-Martin, Pierre-Remey-Alexis. 3,405,378.

Alston, Terence G., and W. D. Schaeffer, to Union Oil Co. of California. Sulfoxidation process in the presence of sulfur trioxide. 3,372,188, 3–5–68. Cl. 260—503.

Alsup, Richard G., and C. S. Cope, to E. I. du Pont de Nemours and Co. Paste extrusion of polytetrafluoroethylene by prebaking of the coagulated dispersion resin. 3,389,201, 6–18–68, Cl. 264—119.

Alsys, Clarence M., S. B. Clark, J. I. Risvold, and G. M. Wilmsen, to Tee-Pak, Inc. Shirred sausage casing having compressed plug end closure. 3,383,222, 5–14–68, Cl. 99—176.

Alt, Gerhard H., and A. J. Speziale, to Monsanto Co. Enaminoketones. 3,370,060, 2–20–68, Cl. 260—247.7.

Alt, Rolf V., and K. Viessmann, to Kreidler's Metall- und Drahtwerke G.m.b.H. Continuous casting arrangement. 3,378,061, 4–16–68, Cl. 164—156.

Alta Industries, Inc.: *See*—
Sare, James R., Roplequet, and Bergeron. 3,400,037.

Altair Corp.: *See*—
Fry, William J. and F. J. 3,364,352.

Altamil Corp.: *See*—
Tuttle, Wainwright. 3,397,737.

Altamira, Anthony F.: *See*—
Hoyt, Donald L., and Altamira. 3,380,523.
Hoyt, Donald L., and Altamira. 3,393,734.

Altamira, Anthony F., to Texaco Inc. Increasing the volumetric sweep efficiency of secondary recovery petroleum production operations. 3,411,577, 11–19–68, Cl. 166—9.

Altamira, Anthony F., and D. L. Hoyt, to Texaco Inc. 13-well hexagon pattern for secondary recovery. 3,380,524, 4–30–68, Cl. 166—9.

Altamira, Anthony F., and D. L. Hoyt, to Texaco Inc. 7-well detla pattern for secondary recovery. 3,380,525, 4–30–68, Cl. 166—9.

Altamira, Anthony F., and D. L. Hoyt, to Texaco Inc. 19-well double hexagon pattern for secondary recovery. 3,380,526, 4–30–68, Cl. 166—9.

Altamira, Anthony F., and D. L. Hoyt, to Texaco Inc. Interface advance control in pattern floods by use of control wells. 3,393,735, 7–23–68, Cl. 166—9.

Altamura, Joseph A., to Atlas Chemical Industries, Inc. Electrode assembly jig and method thereof. 3,414,962, 12–10–68, Cl. 29—428.

Altau, Karl, to E. I. du Pont de Nemours and Co. Vinyl terpolymers for imparting cashmere like properties to synthetic fibers. 3,377,199, 4–9–68, Cl. 117—138.8.

Altavilla, Alex P., to General Aniline & Film Corp. Prevention of silver occlusion in color photography. 3,367,777, 2–6–68, Cl. 96—56.

Altenburger, Paul, to The United States Time Corp. Resonator regulator. 3,400,283, 9–3–68, Cl. 310—36.

Alteneder, Theodore, and Sons: *See*—
Alteneder, Theodore G., Jr. 3,383,771.
Alteneder, Theodore G., Jr. 3,416,696.

Alteneder, Theodore G., Jr., to Theodore Alteneder and Sons. Calibration means for measuring rule. 3,383,771, 5–21–68, Cl. 33—107.

Alteneder, Theodore G., Jr., to Theodore Alteneder and Sons. Self-venting closure. 3,416,696, 12–17–68, Cl. 220—44.

Altenheiner, Erwin: *See*—
Faust, Ludwig, and Altenheiner. 3,368,860.

Altenpohl, Dietrich, H. Zoller, and H. M. Cohen, to Swiss Aluminium Ltd. Process of producing heat-treatable strips and sheets from heat-treatable aluminum alloys with a copper content of less than 1%. 3,392,062, 7–9–68, Cl. 148—11.5.

Altenweger, Alois, to Zellweger Ltd. Support frame for warps. 3,386,144, 6–4–68, Cl. 28—4.

Altenweger, Alois, to Zellweger Ltd. Frames for warp-tying or knotting machines. 3,400,424, 9–10–68, Cl. 16—35.

Altenweger, Alois, to Zellweger Ltd. Device for tying the ends of yarns. 3,410,590, 11–12–68, Cl. 289—12.

Alter, Henry W., to General Electric Co. Visual imaging of track-etched patterns. 3,373,683. 3–19–68. Cl. 101—129.

Alter, Soloman: *See*—
Greenberg, Malvin, Alter, and Belanich. 3,416,243.

Alterman, Iosif Ilich: *See*—
Gutnikov, Eduard J., Melnikov, Matjunin, and Alterman. 3,416,433.

Alterman, Michael E., D. W. Huffman, and F. S. Vigliante, to Bell Telephone Laboratories, Inc. Automatic maintenance arrangement for data processing systems. 3,409,877, 11–5–68, Cl. 340—172.5.

Altmann, Werner E. Infinitely variable adjusting and locking device. 3,410,583, 11–12–68, Cl. 287—14.

Altermatt, Hans, to Ciba Ltd. Process of dispersing a fiber-forming polyamide and pigments in a dispersing medium. 3,368,992, 2–13–68, Cl. 260—29.2.

Altermatt, Ruedi, H. Burkhard, and C. Mueller, to Sandoz Ltd. a/k/a Sandoz A.G. Monoazo pyrazolone dyes of low water solubility. 3,395,138, 7–30–68, Cl. 260—163.

Altermatt, Ruedi, and C. Mueller, to Sandoz Ltd. (also known as Sandoz A.G.). Disperse dyes of the monoazo series. 3,406,164, 10–15–68, Cl. 260—207.

Altfather, Conrad T., to Westinghouse Electric Corp. Voltage dropping circuit. 3,395,332, 7–30–68, Cl. 323—17.

Altfelder, Rolf: *See*—
Erwien, Helmut, Altfelder, and Bürger. 3,379,476.

Alth, Max. Rate of climb indicator. 3,369,397, 2–20–68, Cl. 73—179.

Althaus, Edgar C. Rolling hoop toy. 3,387,778, 6–11–68, Cl. 235—95.

Althaus, Edward J., E. P. Andert, and E. M. Richter, to Hughes Aircraft Co. System effectiveness simulator and computer. 3,377,471, 4–9–68, Cl. 235—152.

Altice, David R.: *See*—
Kelly, Timothy A., and Altice. 3,375,772.

Altier, William, to Summit Candlelight Dinner Playhouse, Inc. Vertically moveable stage and guard rail means. 3,399,887, 9–3–68. Cl. 272—22.

Altman, Carl, to Western Electric Co., Inc. Beta tantalum resistors. 3,391,373, 7–2–68, Cl. 338—308.

Altman, Carl, and M. H. Read; said Altman, assors. to Western Electric Co., Inc.; and said Read, assors. to Bell Telephone Laboratories, Inc. Tantalum films of unique structure. 3,382,053, 5-7-68, Cl. 29—194.

Altman, David, to United Aircraft Corp. Liquid propulsion system and method with fuels and oxidizer in thermal contact. 3,377,801, 4-16-68, Cl. 60—206.

Altman, David, and E. J. Walden, to United Aircraft Corp. Variable thrust propulsion method using auxiliary gas generation. 3,393,517, 7-23-68; Cl. 60—207.

Altman, George I.: *See*—
Altman, Russell S. Re. 26,474.

Altman, Gerald. Overhead projector. 3,363,506, 1-16-68, Cl. 88—24.

Altman, Gerald. Graphic materials incorporating microsphere distributions for the presentation of visual information. 3,388,027, 6-11-68, Cl. 161—4.

Altman, Gerald. Contour projection apparatus. 3,401,592, 9-17-68, Cl. 88—24.

Altman, Gerald. Projection system for reflected images utilizing polarized light. 3,401,593, 9-17-68, Cl. 88—24.

Altman, Moses D., to Warner-Lambert Pharmaceutical Co. N-cyanoethyl derivatives of nitro-p-phenylenediamine. 3,388,148, 6-11-68, Cl. 260—465.

Altman, Richard M., and R. K. Kimmel, to Bausch & Lomb Inc. Variable incidence type slit lamp mechanism. 3,405,994, 10-15-68, Cl. 351—14.

Altman, Robert. Article of jewlry having an unfurlable cover. 3,365,877, 1-30-68, Cl. 58—88.

Altman, Russell S., deceased, by G. I. Altman and M. J. Ward (nee Altman), co-executors. Grain and bean cooker. Re. 26,474, 10-8-68, Cl. 99—443.

Altman, Warren L.: *See*—
Braithwaite, David G., Botts, Gross, Laubach, Altman, and Hanzel. 3,408,273.

Altman, Warren L., and W. Hanzel, to Nalco Chemical Co. Solvent recovery process. 3,393,137, 7-16-68, Cl. 204—59.

Altmann, Albrecht, to Blaupunkt-Werke G.m.b.H. Synchronous demodulator circuit for color television receivers. 3,388,213, 6-11-68, Cl. 178—5.4.

Altmann, Bert L.: *See*—
Reed, Martin C., Baillie, and Altmann. 3,394,938.

Altmann, Max: *See*—
Jenny, Hans, and Altmann. 3,402,483.

Altmann, Werner E., to Daimler-Benz Aktiengesellschaft. Steering column for vehicles. 3,396,599, 8-13-68, Cl. 74—492.

Altmayer, John, to New-Tronics Corp. Remotely tuned radio antenna. 3,419,869, 12-31-68, Cl. 343—703.

Alto Co.: *See*—
Irving, Frank M., Jr. 3,375,917.

Alton Box Board Co.: *See*—
Weller, Forrest D. 3,371,963.

Alton, Harry K., to Pierce Trailer & Equipment Co. Logging vehicle with articulated load carrier. 3,401,955, 9-17-68, Cl. 280—404.

Altoz, Frank E., to Westinghouse Electric Corp. Mounting mechanism with angular adjustment. 3,368,781, 2-13-68, Cl. 248—27.

Altrogge, Karl: *See*—
Friker, Hans-Helmut, Altrogge, and Heuse. 3,415,935.

Altschuler, George. Safety vents for plastic covered glass aerosol containers. 3,372,827, 3-12-68, Cl. 215—12.

Altschuler, Samuel, and R. F. Windstrup, to United States of America, Army. Ammunition feeder and booster. 3,370,506, 2-27-68, Cl. 89—33.

Altson, Ralph, to General Motors Corp. Bearing cage. 3,365,255, 1-23-68, Cl. 308—217.

Alum-Alloy Casting Co.: *See*—
Kis, John S., and Thelsen. 3,380,139.

Aluma-Grip Co. of America, Inc.: *See*—
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Anderson, Carl P., to SCM Corp. Type bar rest support. 3,384,337, 5–21–68, Cl. 197—42.

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Anderson, Clifford E., to ACF Industries, Inc. Preselective control of remotely located electrically operated apparatus. 3,400,730, 9–10–68, Cl. 137—236.

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Anderson, John W. 3,372,423.
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Anderson, Curtis A., and C. W. Syak, to Trumbull Development Corp. Sandwich-making machine. 3,377,963, 4–16–68, Cl. 107—1.

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Anderson, David P., and L. J. Berridge, to Woodall Industries, Inc. Method of and apparatus for forming hollow plastic structures. 3,412,183, 11–19–68, Cl. 264—40.

Anderson, David W., to McGraw-Edison Co. Distribution transformer having secondary breaker. 3,398,323, 8–20–68, Cl. 317—15.

Anderson, David W., C. J. Conti, F. J. Sparacio, and R. M. Tomasulo, to International Business Machines Corp. Instruction processing unit for program branches. 3,418,638, 12–24–68, Cl. 340—172.5.

Anderson, Dean B., R. R. August, J. C. Aukland, and R. L. Palmquist, to North American Rockwell Corp. High frequency diode with small spreading resistance. 3,387,189, 6–4–68, Cl. 317—234.

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Anderson, Donald G., and R. H. Pfrehm. Pipeline transportation of solids. 3,405,976, 10–15–68, Cl. 302—14.

Anderson, Donald J., to Chevron Research Co. Sulfur containing pseudoaromatic detergents. 3,364,232, 1–16–68, Cl. 260—327.

Anderson, Donald J., to Chevron Research Co. Lubricating oil containing trithione-S-oxides as antioxidants. 3,376,225, 4–2–68, Cl. 252—48.2.

Anderson, Donald J., to Chevron Research Co. Sulfoximines. 3,376,338, 4–2–68, Cl. 260—551.

Anderson, Donald J., to Chevron Research Co. Aryl nitroso compounds as lubricant additives. 3,380,918, 4–30–68, Cl. 252—51.5.

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Anderson, Emmett R., to Air Reduction Co. Inc. Power supply for an electron beam furnace gun. 3,392,304, 7–9–68, Cl. 315—14.

Anderson, Emmett R., to Temescal Metallurgical Corp. Apparatus for regulating power applied to an electron gun employed in an electron beam furnace. 3,400,207, 9–3–68, Cl. 13—31.

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Anderson, Eric W., to Dohm & Nelke, Inc. Meat hanger extractor. 3,376,626, 4–9–68, Cl. 29—200.

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Anderson, Forrest S., to Anderson Mavor Ltd. Hydraulic drive systems for mineral mining machines. 3,392,525, 7–16–68, Cl. 60—52.

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Anderson, George R., to Westinghouse Electric Corp. Control system for a turbogenerator and once-through steam generator plant. 3,388,553, 6–18–68, Cl. 60—105.

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Anderson, Gerald R., to FMC Corp. Protecting sorting device optics. 3,389,792, 6–25–68, Cl. 209—111.6.

Anderson, Gerald R., S. H. Creed, and J. T. Parker, to FMC Corp. Fruit seed-celling machine having automatic depth control means for cutter. 3,373,786, 3–19–68, Cl. 146—52.

Anderson, Gerald R., S. H. Creed, and J. T. Parker, to FMC Corp. Apple orienting and coring machine. 3,389,730, 6–25–68, Cl. 146—52.

Anderson, Gerald R., S. H. Creed, and J. T. Parker, to FMC Corp. Apple orienting apparatus. 3,403,769, 10–1–68, Cl. 198—33.

Anderson, Gerald S., to Litton Systems, Inc. Method for orienting single crystal films on polycrystalline substrates. 3,370,980, 2–27–68, Cl. 117—227.

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Anderson, Gordon H., to Lakeside Industries, Inc. Toy airplane with folding wings having tabs. 3,408,767, 11–5–68, Cl. 46—80.

Anderson, Gordon K., R. A. Evans, and R. H. Hilmer, to Lear Siegler, Inc. Apparatus for connecting a stationary air conditioning unit to aircraft. 3,399,545, 9–3–68, Cl. 62—237.

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Anderson, Gus L., to The Dentists Supply Co. of New York. Gothic arch bisector and relator. 3,406,451, 10–22–68, Cl. 32—32.

Anderson, Harold C., to Litton System, Inc. Microwave transducer. 3,369,251, 2–13–68, Cl. 346—74.

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Anderson, Harold P., D. Baker, D. T. Davis, L. A. Hohmann, Jr., L. L. Maul, J. R. McEowen, H. A. Meise, Jr., and G. W. Well, to Bell Telephone Laboratories, Inc. Key telephone system. 3,385,935. 5–28–68, Cl. 179—99.

Anderson, Harry B., to United Aircraft Corp. Electron beam maintenance device. 3,371,185, 2–27–68, Cl. 219—121.

Anderson, Harry C., to General Electric Co. Stress graded cable termination. 3,396,231, 8–6–68, Cl. 174—73.

Anderson, Helen L. Combination sit-bath and commode. 3,391,408, 7–9–68, Cl. 4—134.

Anderson, Henry H., and W. A. Miller, to Union Carbide Corp. Durable extrusion apparatus. 3,418,685, 12–31–68, Cl. 18—12.

Anderson, Herbert R., Jr., and P. Levine, to International Business Machines Corp. Thermoplastic recording medium. 3,413,146, 11–26–68, Cl. 117—211.

Anderson, Herman, and D. W. Trommer, to Quaker Oats Co. Dry milling corn process. 3,399,839, 9–3–68, Cl. 241—11.

Anderson, Howard R., P. E. Lambdin, and W. A. Mitchener, to Caterpillar Tractor Co. Enclosure for gas turbine engine electric generator set. 3,418,485, 12–24–68, Cl. 290—1.

Anderson, Howard W. Camper shower system. 3,381,316, 5–7–68, Cl. 4—154.

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Anderson, Irvin F. Guides. 3,390,461, 7–2–68, Cl. 33—75.

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Anderson, James A., to Breneman, Inc. Terminal plug for shade rollers. 3,366,160, 1–30–68, Cl. 160—323.

Anderson, James B., to H. J. Heinz Co. Stirrer. 3,363,883, 1–16–68, Cl. 259—109.

Anderson, James B., to H. J. Heinz Co. Kettle or the like. 3,364,918. 1–23–68, Cl. 126—379.

Anderson, James B., to H. J. Heinz Co. Method and apparatus for aseptically filling drums. 3,385,022, 5–28–68, Cl. 53—11.

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Anderson, James H. Internal pipe bender. 3,382,698, 5–14–68, Cl. 72—298.

Anderson, James O., D. Rosenstock, and C. L. Vehrs, to North American Rockwell Corp. Terrain-following system. 3,396,-391. 8–6–68, Cl. 343—7.

Anderson, James P., and M. W. Vincent, to Blaw-Knox Co. Method and apparatus for heat treating, pressurizing and discharging materials. 3,370,522, 2–27–68, Cl. 99—236.

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Anderson, James W., and S. L. Heny, to Linden Laboratories, Inc. Method of treating polycrystalline ceramics for polarizing them. 3,365,633, 1–23–68, Cl. 317—262.

Anderson, James W., and B. L. Joyner, to Linden Laboratories Inc. Method of preparing electroded ceramics for bonding. 3,370,977, 2–27–68, Cl. 117—215.

Anderson, James W., S. Heny, and B. L. Joyner, ½ to Linden Laboratories Inc., and ½ to E. G. Cook. Transducer assembly for producing ultrasonic vibrations. 3,396,286, 8–6–68, Cl. 310—9.1.

Anderson, John C., to Engineering Technology, Inc. Filament winding apparatus. 3,397,850, 8–20–68, Cl. 242—158.

Anderson, John D., to E. I. du Pont de Nemours and Co. Process for improving the storage stability of 4,4'-diisocyanatodiphenylmethane. 3,366,661, 1–30–68, Cl. 260—453.

Anderson, John D., to Pechik Products, Inc. Mattress handle. 3,393,410, 7–23–68, Cl. 5—345.

Anderson, John E., to Union Carbide Corp. Radiation torch having an electrode for supplying and exhausting gas. 3,364,387, 1–16–68, Cl. 315—111.

Anderson, John E., to Union Carbide Corp. High pressure arc cooled by a thin film of liquid on the wall of the envelope. 3,366,815, 1–30–68, Cl. 313—32.

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Anderson, John L., to Ametek, Inc. Means of detection of surface contaminants utilizing a volatile radioactive chemical. 3,412,247, 11–19–68, Cl. 250—83.3.

Anderson, John L., H.-O. G. Leilich, and D. H. Redfield, to International Business Machines Corp. Magnetic chain memory. 3,371,327, 2–27–68, Cl. 340—174.

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MacDonald, Charles E., Anderson, and Barker. 3,368,517.

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Anderson, John W., to The Anderson Co. Windshield cleaner. 3,372,423, 3–12–68, Cl. 15—250.42.

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Anderson, Leroy L., Jr., and F. Drugan, to Millers Falls Co. Woodcutting saw blade. 3,374,815, 3–26–68, Cl. 143—133.

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Anderson, Martha A. Food strainer. 3,390,781, 7–2–68, Cl. 210—465.

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Anderson, Robert H., to Standard Oil Co. Underground liquid storage system. 3,394,841. 7–30–68. Cl. 220—71.
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Anderson, Robert V. Combination heating and cooling unit. 3,398,785, 8–27–68, Cl. 165—29.
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Anderson, Roger. Operating table hammock. 3,405,931, 10–15–68, Cl. 269—328.
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Lamons, Robert P. 3,394,400.

Andrew, Herbert F., and D. Eckersley, to Imperial Chemical Industries Ltd. Monoazo dyestuffs containing both triazine and pyrimidine groups. 3,362,948, 1–9–68, Cl. 260—146.

Andrew, Homer L., to Duplex Mfg. Co. Hydrant for pitless well units. 3,380,533, 4–30–68, Cl. 166—88.

Andrew, Margaret J., N. J. Bullock, and K. J. Sisson, to General Motors Corp. Automatic clothes washing apparatus with improved agitation control. 3,403,538, 10–1–68, Cl. 68—12.

Andrew, William H. R., and J. H. Mulherin, to United States of America, Army. Strain field displacement measuring device. 3,404,558, 10–8–68, Cl. 73—15.6.

Andrews of Aintree Ltd.: *See*—
McKechnie, Charles S. 3,406,855.

Andrews, Alan G.: *See*—
Brown, James, and Andrews. 3,362,620.

Andrews, Alday B., and D. L. Coursen, to E. I. du Pont de Nemours and Co. Reduction of explosive shock and noise by dispersion of water particles. 3,397,756, 8–20–68, Cl. 181—33.

Andrews, Arthur H.: *See*—
Levin, Nathan D., and Andrews. 3,377,493.

Andrews, Arthur H., to Admiral Corp. Electron gun structure having supporting tabs therefor. 3,389,284, 6–18–68, Cl. 313—82.

Andrews, Boley A., and E. C. Johnson, to The Vendo Co. Refrigerated dispensing cabinet having outer decorative door and inner locked product access door. 3,367,730, 2–6–68, Cl. 312—204.

Andrews, Charles C. Car vibrator. 3,408,876, 11–5–68, Cl. 74—61.

Andrews, Charles L., to General Electric Co. Electron beam device. 3,381,160, 4–30–68, Cl. 315—14.

Andrews, Christopher D.: *See*—
Funk, John W., Pelowski, Lapham, and Andrews. 3,368,726.

Andrews, Dallas R., to Radio Corp. of America. Magnetic recording and reproducing apparatus. 3,364,765, 1–23–68, Cl. 74—229.

Andrews, Daniel E., Jr. Special purpose hearing aid. 3,394,226, 7–23–68, Cl. 179—1.

Andrews, Donald E., and R. C. Carmean, to Cambridge Wire Cloth Co. Connecting bar. 3,376,002, 4–2–68, Cl. 245—6.

Andrews, Edythe D. Drain cover. 3,402,407, 9–24–68, Cl. 4—293.

Andrews, George M., to Leigh Products, Inc. Bi-fold door structure. 3,385 344, 5–28–68, Cl. 160—206.

Andrews, Harry N.: *See*—
Keller, Herbert W., and Andrews. 3,368,945.

Andrews, Harry N., and H. W. Keller, to Westinghouse Electric Corp. Means for supporting fuel elements in a nuclear reactor. 3,379,617, 4–23–68, Cl. 176—78.

Andrews, Harry N., and F. N. Vespa, to Westinghouse Electric Corp. Fuel assembly for nuclear reactors. 3,379,619, 4–23–68, Cl. 176—78.

Andrews, Howard K., and F. I. Dabkowski, to General Motors Corp. Double sealing nut. 3,411,816, 11–19–68, Cl. 287—189.36.

Andrews, Hugh H., to Scovill Mfg. Co. Snap fastener with removable ornamental button. 3,414,949, 12–10–68, Cl. 24—208.

Andrews, James D., to General Electric Co. Electrolytic material removal wherein the current-voltage relationship is in the "Kellogg region." 3,403,084, 9–24–68, Cl. 204—143.

Andrews, James D., and W. C. Kunz, to General Electric Co. Electrolyte guide member. 3,384,567, 5–21–68, Cl. 204—279.

Andrews, James D., and C. E. Shurts, to General Electric Co. Electrolytic material removal apparatus. 3,409,534, 11–5–68, Cl. 204—224.

Andrews, James M., J. R. Patton, and T. P. Martens, to Sinclair-Koppers Co. Combination container and tray. 3,412,888, 11–26–68, Cl. 220—4.

Andrews, James S., to The C. S. Card Iron Works Co. Internally tilting dumping mine car. 3,403,636, 10–1–68, Cl. 105—3.

Andrews, John S.: *See*—
Mainguy, Donald N. 3,397,668.

Andrews, Laurence M.: *See*—
Baker, James L., and Andrews. 3,372,253.

Andrews, Maurice, to Quill Research & Development Corp. Liquid applicator. 3,393,962, 7–23–68, Cl. 401—132.

Andrews, Paul D., and R. A. Bub, to Mine Safety Appliances Co. Bag filter. 3,394,534, 7–30–68, Cl. 55—484.

Andrews, Peter. Dual square. 3,364,581, 1–23–68, Cl. 33—189.

Andrews, Peter. Surface. material and health protective device. 3,396,810, 8–13–68, Cl. 180—69.1.

Andrews, Peter G., to Walker Mfg. Co. Production machine. 3,376,725, 4–9–68, Cl. 72—311.

Andrews, Phillip R.: *See*—
Theobald, Elwin, and Andrews. 3,389,447.

Andrews, Ray: *See*—
Murray, Robert S., and Andrews. 3,380,846.

Andrews, Robert J., to United States of America, Navy. Folding stretcher. 3,417,412, 12–24–68, Cl. 5—82.

Andrews, Robert S. L. Dental apparatus. 3,370,901, 2–27–68, Cl. 312—209.

Andrews, Roland E., to Tektronix, Inc. Attenuator apparatus. 3,369,173, 2–13–68, Cl. 323—80.

Andrews, Ronald W. J., J. R. Kenward, and J. R. Dewhurst, to South Eastern Gas Board. Control of gas flame characteristics. 3,407,022, 10–22–68, Cl. 431—8.

Andrews, Roy, to National Heating & Cooling Mfg., Corp. Single control mixing faucet. 3,378,034, 4–16–68, Cl. 137—625.4.

Andrews, Sydney A.: *See*—
Parkin, Leslie, and Andrews. 3,373,789.

Andrews, Thomas D. H., to Dowty Hydraulic Units Ltd. Tractor power lift control. 3,368,630, 2–13–68, Cl. 172—7.

Andrews, Thomas D. H., to Dowty Mining Equipment Ltd. Roof supports suitable for use in mines. 3,381,480, 5–7–68, Cl. 61—45.

Andrews, Thomas D. H., to Dowty Technical Developments Ltd. Hydraulically balanced slipper bearing. 3,395,948, 8–6–68, Cl. 308—5.

Andrews, Thomas D. H., and R. B. Eeles, to Dowty Technical Developments Ltd. Hydraulic displacement devices. 3,366,073, 1–30–68, Cl. 103—171.

Andrews, Thomas D. H., and R. C. Eeles, to Dowty Technical Development Ltd. Hydraulic displacement devices. 3,367,277, 2–6–68, Cl. 103—169.

Andrews, Thomas D. H., P. E. Checkley, and C. R. Little, to Dowty Mining Equipment Ltd. Speed control devices for free-running railway vehicles. 3,368,497, 2–13–68, Cl. 104—162.

Andrews, Thomas I., to Seefore Corp. Pipe support. 3,417,785, 12–24–68, Cl. 138—108.

Andrews, Zenas B., to United States of America, Navy. Breaking liquid spring support with dormant lockout. 3,367,235, 2–6–68, Cl. 89—1.816.

Andrianov, Boris V.: *See*—
Kargin, Valentin A., Kotrelev, Akutin, Opolovenkov, Andrianov, and Kotrelev. 3,403,129.

Andrianova, Tatjana B.: *See*—
Franchuk, Valentin I., Andrianova, and Bobyshev. 3,408,163.

Andrieu, Jean R.: *See*—
Leroy, Alphonse, Gijsemans, Peerts, Hulot, Martin, and Andrieu. 3,414,375.
Martin, Jean, and Andrieu. 3,378,340.

Andriulis, Vytautas, to Cenco Instruments Corp. Pump with auxiliary vacuum pumping stage. 3,399,826, 9–3–68, Cl. 230—152.

Andrus, Donald M., and J. W. Gray, to General Precision System, Inc. Horizontal sweep generator including a capacitive reset Miller integrator. 3,401,344, 9–10–68, Cl. 328—128.

Andrycha, Joseph J.: *See*—
Roberts, Hobart V., Jr., and Andrycha. 3,400,637.

Anelex Corp.: *See*—
Marsh, Lynn W., Jr. 3,366,044.

Anello, Joseph, by court order to Jerome A. Gross. Roll spring tape novelty toy. 3,410,023, 11–12–68, Cl. 46—123.

Anello, Louis G.: *See*—
Sweeney, Richard F., and Anello. 3,367,960.

Anello, Louis G., and R. F. Sweeney, to Allied Chemical Corp. Preparation of perfluorinated ketones. 3,379,765, 4–23–68, Cl. 260—586.

Anello, Louis G., and R. F. Sweeney, to Allied Chemical Corp. Novel polyfluoroalkyl acrylate monomers, polymers and intermediates. 3,384,627, 5–21–68, Cl. 260—89.5.

Anello, Louis G., and R. F. Sweeney, to Allied Chemical Corp. Novel halogenated sulfides. 3,387,034, 6–4–68, Cl. 260—590.

Anello, Louis G., and W. J. Cunningham, to Allied Chemical Corp. Hydrogenation of methyl trifluoroacetate to trifluoroethanol. 3,390,191, 6–25–68, Cl. 260—633.

Anello, Louis G., and R. F. Sweeney, to Allied Chemical Corp. Azeotropic distillation of fluorinated ether and acetonitrile. 3,409,512, 11–5–68, Cl. 203—45.

Anello, Louis G., and R. F. Sweeney, to Allied Chemical Corp. Novel polyfluoroalkyl acrylate monomers, polymers and intermediates. 3,409,602, 11–5–68, Cl. 260—89.5.

Anello, Louis G., and R. F. Sweeney, to Allied Chemical Corp. Novel halogenated cycloalkylether compositions. 3,415,890, 12–10–68, Cl. 260—611.

Anetsberger Bros., Inc.: *See*—
Anetsberger, Richard J. 3,363,541.

Anetsberger, Richard J., to Anetsberger Bros., Inc. Crumb collecting deep fat fryer. 3,363,541, 1–16–68, Cl. 99—408.

Angel, Arthur M. Transaction recorder for printing on pressure-sensitive journal tape. 3,373,682, 3–19–68, Cl. 101—45.

Angel, Henry R., and A. H. Morgan, to Electronic Controls, Inc. Magnetically actuated miniature relay. 3,418,608, 12–24–68, Cl. 335—131.

Angelastro, Leon L., and M. E. Beltempo. Device providing fountain for dance performance therein. 3,419,216, 12–31–68, Cl. 239—20.

Angele, Eugen, to Union Special Maschinenfabrik, G.m.b.H. Needle thread take-up for double chain stitch sewing machines. 3,368,508, 2–13–68, Cl. 112—245.

Angeles Metal Trim Co.: *See*—
Doke, Jack, 3,394,507.
Doke, Jack, and Van Meter. 3,407,547.
Thompson, William J., and Cable. 3,397,495.

Angelica Uniform Co.: *See*—
Israel, Milton W. 3,366,973.

Angelillo, Elena. Heated air circulating hair brush. 3,386,185, 6–4–68, Cl. 34—97.

Angelinetta, Dennis: *See*—
Boucher, Percival L., and Angelinetta. 3,412,936.

Angelino, Gianfranco. Method for obtaining mechanical energy from a thermal gas cycle with liquid phase compression. 3,376,706, 4–9–68, Cl. 60—73.

Angell, Charles H., C. L. Deeken, and F. C. Fischer, to Hurletron, Inc. Automatic preprint paster apparatus and method for using same. 3,391,877, 7–9–68, Cl. 242—58.3.

Angell Nail & Chaplet Co., The: *See*—
Lorenz, Harvey F. 3,370,643.

Angello, Joseph P., to United States of America, Army. Pulse-actuated, D-C to D-C converter for a thermionic diode. 3,381,201, 4–30–68, Cl. 321—2.

Angello, Joseph P., to United States of America, Army. Cooling means for electrical power conversion system. 3,382,313, 5–7–68, Cl. 174—15.

Angeloff, Wesley L., and F. R. Abbott, to United States of America, Navy. Hemispherical gas filled shell for acoustical time delay action. 3,389,373, 6–18–68, Cl. 340—6.

Angelos, Mitchell G., to AAI Corp. Cup-sealed actuator with obturating groove anchoring and sealing arrangement. 3,404,598, 10–8–68, Cl. 89—1.

Anger, Anton, to PME Holding A.G. Boring apparatus for conical bores. 3,404,588, 10–8–68, Cl. 77—57.

Anger, Hal O., to United States of America, Atomic Energy Commission. Isotope scanner which creates X-ray and gamma radiation images simultaneously. 3,405,233, 10–8–68, Cl. 178—6.8.

Anger, Heinrich: *See*—
Bues, Curt, Granzin, Pfleiderer, and Anger. 3,414,084.
Theis, Alfred, Reiher, and Anger. 3,362,464.

Anger, Serge. Apparatus for drying coated tape. 3,405,879, 10–15–68, Cl. 242—55.

Anger, Wilhelm, OHG: *See*—
Hanslik, Wilhelm. 3,376,604.

Angguist, Torsten F., to Crescent Niagara Corp. Spring opened nipper. 3,398,451, 8–27–68, Cl. 30—186.

Anghinetti, Joseph R.: *See*—
Wise, Louis M., and Anghinetti. 3,382,058.

Angler, Angler R., to S. Marshall Youngman. Illuminated sign. 3,390,259, 6–25–68, Cl. 240—11.2.

Angler, Robert B.: *See*—
Newman, Howard, and Angler. 3,378,589.
Curran, William V., and Angler. 3,388,164.

Angle, Howard G.: *See*—
Yankers, Francis J. 3,385,317.

Anglican Development Ltd.: *See*—
Nott, Peter T. M. 3,369,513.

Anglin, Walter M., to The Upjohn Co. Treating pain with 2,2-diphenyl-4-(2-piperidyl)-1,3-dioxolane. 3,367,832, 2–6–68, Cl. 167—65.

Anglo-Celtic Watch Co. Ltd., The: *See*—
Boult, Cecil L. 3,364,673.

Anglo-Netherland Technical Exchange Ltd.: *See*—
Brewster, Sydney. 3,383,023.

Anglo Paper Products, Ltd.: *See*—
Logan, Kenneth C., and Sepall. 3,396,069.
Sepall, Ola. 3,419,466.

Angold, Edward B., to The Plessey Co. Ltd. Electric ignition devices. 3,387,184, 6–4–68, Cl. 317—96.

Angst, Walter, to Meteor A.G. Adhesive tape applicator. 3,380,873, 4–30–68, Cl. 156—446.

Angstadt, Richard L., and F. R. Hurley, to W. R. Grace & Co. Hardening accelerated Portland cement. 3,373,048, 3-12-68, Cl. 106—90.

Angstadt, Richard L., F. R. Hurley, and C. F. Miller, to W. R. Grace & Co. Set retarded portland cement. 3,409,452, 11-5-68, Cl. 106—89.

Angulo, Francisco M. Apparatus for the generation and accumulation of energy. 3,386,341, 6-4-68, Cl. 91—92.

Angus, George, & Co. Ltd.: *See*—
Balkin, Mark, Turner, and Irving. 3,396,978.
Balkin, Mark, Turner, and Irving. 3,396,979.
Dixon, Sidney, and Chinnery. 3,400,989.
Hird, Desmond. 3,418,404.
Hutchinson, Dennis. 3,384,520.
Jagger, Ernest T. 3,376,045.
Jagger, Ernest T., and Halliday. 3,411,793.
Turner, Denys G. 3,403,603.
Wood, Frank D. 3,370,115.

Angus, James W., to Kollsman Instrument Corp. Torque amplifier. 3,381,191, 4-30-68, Cl. 318—23.

Anheuser-Busch, Inc.: *See*—
Hunt, Walter G. 3,403,146.
Scallet, Barrett L., and Ehrenthal. 3,383,245.

Anhouse, Stanley J., and G. A. Buon, to J. A. Maurer, Inc. Electronic photographic exposure timer. 3,405,622, 10-15-68, Cl. 95—53.

Aninger, John H. Casters. 3,381,330, 5-7-68, Cl. 16—21.

Aninger, John H. Method and equipment for packing. 3,398,501, 8-27-68, Cl. 53—35.

Aninger, John H. Caster. 3,401,421, 9-17-68, Cl. 16—25.

Anjac Mfg. Co.: *See*—
Banner, Joseph. 3,386,208.

Anjac Plastics, Inc.: *See*—
Mock, Donald E. 3,411,561.
Mock, Donald E., and Banner. 3,419,063.

Ankenman, Earl B., and S. E. Morgan, to Westinghouse Electric Corp. DC motor power supply having single control unit alternatively varying armature and field voltages. 3,405,340, 10-8-68, Cl. 318—336.

Anker-Werke Aktiengesellschaft: *See*—
Hergt, Martin, Klaar, and Fenrich. 3,414,714.
Priebs, Horst. 3,367,569.

Ankerfarm S.p.A.: *See*—
Zannini, Enzo, Piacenza, and Fabbri. 3,398,057.

Ankerson, Borge R. Rotary hearth metal melting furnaces. 3,377,059, 4-9-68, Cl. 266—33.

Ankerson, Borge R. Incinerators. 3,404,643, 10-8-68, Cl. 110—10.

Ankrum, Lynn K.: *See*—
Hill, Dale L., MacDonald, and Ankrum. 3,362,377.

Anley, Donald M., and L. Charlesworth, to Rolls-Royce Ltd. Gas turbine engine. 3,390,521, 7-2-68, Cl. 60—39.14.

Anliker, Werner. Cutting or slicing machines. 3,392,768, 7-16-68, Cl. 146—78.

Ann, Holgar: *See*—
Marx, Erwin O., Grosskopf, Kruckewit, Ann, Erk, Schmitz, and Mollenhoff. 3,384,724.

Ann Page Mfg. Corp.: *See*—
Cohen, Howard R. 3,381,309.

Annat, Robert B., to Massey-Ferguson Services N.V. Draft control auxiliary leaf spring. 3,405,928, 10-15-68, Cl. 267—1.

Annen, Robert. Universal gyroscope. 3,412,472, 11-26-68, Cl. 33—204.

Annen, Robert P.: *See*—
Fiedler, William S., and Annen. 3,382,914.

Annen, Robert P., and W. S. Fiedler, to Lor Corp. Means to meter molten metal. 3,361,421, 1-2-68, Cl. 266—38.

Anner, Georg: *See*—
Wettstein, Albert, Jeger, Anner, Heusler, Kalvoda, Meystre, and Wieland. 3,385,848.

Anner, Georg, and P. Wieland, to Ciba Corp. Process for the manufacture of 3-oxo-7α-methyl-17-ethylene-dioxy-$\Delta^{1,4}$-androstadiene. 3,403,148, 9-24-68, Cl. 260—239.55.

Annibale, Joseph R.: *See*—
Hunley, William H., and Annibale. 3,407,769.

Anning-Johnson Co.: *See*—
Ades, William H. 3,383,811.

Annis, James R., Jr., to Signode Corp. Reversible feed wheel mechanism for power strapping machines. 3,396,889, 8-13-68, Cl. 226—143.

Annis, Martin, to American Science and Engineering, Inc. Apparatus and method for producing a high velocity beam of gas molecules and the like. 3,404,599, 10-8-68, Cl. 89—1.

Annis, Martin, G. W. Clark, and E. C. Williams, Jr., to American Science and Engineering, Inc. Simple microscope having support block for adjustable magnifier lens and adjustable illuminating mirror. 3,391,975, 7-9-68, Cl. 350—238.

Annis, Martin, J. P. Pennimpede, R. St. Martin, and E. C. Williams, Jr., to American Science and Engineering, Inc. Student lens assembly. 3,409,348, 11-5-68, Cl. 350—254.

Annis, Max R.: *See*—
Robinson, Leon H., Jr., Friedman, and Annis. 3,373,820.

Ano, Shizuya: *See*—
Yamamoto, Mititaka, Mizuta, and Ano. 3,419,881.

Anocut Engineering Co.: *See*—
Ross, Edward, and Allen. 3,409,535.

Anritsu Keiki Kabushiki Kaisha: *See*—
Senbokuya, Tsuneji. 3,395,050.

Anschutz & Co., G.m.b.H.: *See*—
Lassig, Martin. 3,373,617.

Ansdell, John. Hand truck for upholstered couches. 3,411,801, 11-19-68, Cl. 280—47.24.

Ansell, Harvey N., to Rubber Products Development Proprietary Ltd. Pack for presterilized surgeons' rubber gloves. 3,391,855, 7-9-68, Cl. 229—72.

Ansell, Harvey N., to Rubber Products Development Proprietary Ltd. Method of the manufacture of thin-walled articles of rubber or the like. 3,397,265, 8-13-68, Cl. 264—306.

Anselmi, James V. Buoy mooring anchor marker. 3,401,413, 9-17-68, Cl. 9—9.

Ansingh, Carl H., to P. L. Robertson Mfg. Co. Ltd. Nut receiving piercing self-tapping screw. 3,370,501, 2-27-68, Cl. 85—47.

Ansingh, Carl H., to P. L. Robertson Mfg. Co., Ltd. Self-tapping screw. 3,398,625, 8-27-68, Cl. 85—46.

Ansitron, Inc.: *See*—
Thomas, Edward W. 3,417,263.

Ansley, William G., to Bell Telephone Laboratories, Inc. Isolation technique for integrated circuit structure. 3,395,320, 7-30-68, Cl. 317—234.

Anslover, Joseph A. Hoop and supporting handle and releasable starter therefor. 3,401,484, 9-17-68, Cl. 46—220.

Anson, Howard G.: *See*—
Long, George E., and Anson. 3,416,416.

Anson, Inc.: *See*—
Anderson, Olof V. 3,417,578.
Hodge, Philip A. 3,408,706.
Hodge, Philip A. 3,412,576.

Anspach, Ralph: *See*—
Killen, Duncan C., and Anspach. 3,417,757.

Anspon, Harry D.: *See*—
Smith, Wayne E., and Anspon. 3,375,216.
Smith, Wayne E., and Anspon. 3,375,217.

Anspon, Harry D., to General Aniline & Film Corp. Preparation of isopropenyl acetylene. 3,388,181, 6-11-68, Cl. 260—678.

Anstalt fur die Entwicklung von Erfindurgen und gewerblichen Anwendungen ENERGA: *See*—
Batou, Boris. 3,413,923.

Anstalt fur Montage-Technik: *See*—
Mathes, Gunther. 3,391,842.

Anstalt fur Patentdienst: *See*—
Fleissner, Gerold. 3,398,464.
Fleissner, Gerold. 3,410,119.
Fleissner, Gerold. 3,410,149.
Fleissner, Heinz. 3,362,079.
Fleissner, Heinz. 3,374,552.
Fleissner, Heinz. 3,374,646.
Fleissner, Heinz and G. 3,380,175.
Wipf, Edouard L. 3,371,355.

Anstalt fur Technische Entwicklung und Verwertung: *See*—
Orban, Nicholas. 3,410,681.

Anstett, Edgar P., to Powernails, Inc. Nailing machine. 3,362,602, 1-9-68, Cl. 227—156.

Anstey, Nigel A.: *See*—
Lerwill, William E., and Anstey. 3,371,106.

Anstey, Nigel A., to Seismograph Service Corp. Methods and apparatus for attenuating the effects of multiple seismic reflections. 3,418,625, 12-24-68, Cl. 340—15.5.

Anstey, Nigel A., and W. E. Lerwill, to Seismograph Service Corp. Method and apparatus for determining characteristics of a signal transfer system. 3,395,340, 7-30-68, Cl. 324—57.

Ansul Chemical Co.: *See*—
Neuville, Morris L., and Carroll. 3,378,364.

Antalek, John J., to TRW Inc. Method of making a coupling device. Re. 26,332, 1-9-68, Cl. 29—602.

Antell, Joseph C., to Prime Mfg. Co. Stay strip applying machine. 3,366,985, 2-6-68, Cl. 12—59.5.

Antema, Geert, T. Kuipers, and J. J. M. Mulderink, to American Enka Corp. High tenacity rayon yarn production. 3,364,290, 1-16-68, Cl. 264—191.

Antenna Research Associates, Inc.: *See*—
Dunlavy, John H., Jr. 3,396,398.

Antes, Jack E., to Hughes Aircraft Co. Electrical connector for integrated circuit elements. 3,391,383, 7-2-68, Cl. 339—174.

Anthes, Clifford C., to Union Carbide Corp. Fuel gas mixture and process for use thereof. 3,418,176, 12-24-68, Cl. 148—9.

Anthon, Erik W.: *See*—
Baruch, Hans, and Anthon. 3,364,811.

Anthon, Erik W., to Warner-Lambert Pharmaceutical Co. Analytical cuvette and supply system wherein the cuvette inlet and outlet are located on the bottom of the cuvette. 3,401,591, 9-17-68, Cl. 88—14.

Anthony, Andrew J., and E. A. Gruber, to Combustion Engineering, Inc. Nuclear reactor. 3,366,546, 1-30-68, Cl. 176—40.

Anthony, Benjamin F.: *See*—
Charman, Walter M., Jr., and Anthony. 3,415,483.

Anthony, Buzze E. and J. E. Turkey caller. 3,367,064, 2-6-68, Cl. 46—189.

Anthony, David D. Collapsible flexible automatic signal device. 3,368,518, 2-13-68, Cl. 116—63.

Anthony, Donald R., R. G. Loncaric, and R. E. Fields, to Atlantic Richfield Co. Apparatus for preventing corrosion. 3,407,831, 10-29-68, Cl. 137—209.

Anthony, Felix M. Hot and cold water mixer attachment. 3,409,042, 11-5-68, Cl. 137—603.

Anthony, Glenn E. Carriage for a pneumatic breaker. 3,369,-614, 2-20-68, Cl. 173—23.

Anthony, Jay E.: *See*—
Anthony, Buzze E. and J. E. 3,367,064.

Anthony, Joseph. Mobile display drive mechanism. 3,417,498, 12-24-68, Cl. 40—30.

Anthony, Luther C. Material handling machine. 3,417,889, 12-24-68, Cl. 214—505.

Anthony Mfg. Corp.: *See*—
Costa, Robert B. 3,415,453.

Anthony, Myron L.: *See*—
Perkins, Earl S., and Anthony. 3,414,901.

Anthony, Myron L., 25% each to G. W. and G. A. Butler and 50% to T. E. Dorn. Packaging system. 3,401,826, 9-17-68, Cl. 220—72.

Anthony, Robert C., to Union Brass & Metal Mfg. Co. Adjustable mounting plates for valves. 3,376,888, 4-9-68, Cl. 137—359.

Anthony, Steve S., ½ to E. J. Berwick. Gas conversion means and method. 3,415,633, 12-10-68, Cl. 48—196.

Anthony, Tad B., to The Maytag Co. Hinge structure. 3,408,-685, 11-5-68, Cl. 16—169.

Anthony, William C., to The Upjohn Co. 3',3'-di-substituted [spiro-indoline-3,2'-oxiran]-2 ones and derivatives. 3,413,-299, 11-26-68, Cl. 260—295.

Anthony, William C., and J. Szmuszkovicz, to The Upjohn Co. 3-(2-pyrrolidinyl)-indoles and method of preparation. 3,361,759, 1-2-68, Cl. 260—326.14.

Anthony, William C., and J. J. Ursprung, to The Upjohn Co. 6-amino-1,2-dihydro-1-hydroxy-2-imino-4-phenoxypyrimidines. 3,382,247, 5-7-68, Cl. 260—256.4.

Anthony, William C., and J. J. Ursprung, to The Upjohn Co. 6-amino-4,5-di(substituted amino)-1,2-dihydro-1-hydroxy-2-iminopyrimidines. 3,382,248, 5-7-68, Cl. 260—256.4.

Anthony, Wilson B. Process of recovering feed products from animal wastes. 3,375,116, 3-26-68, Cl. 99—2.

Antioch College: *See*—
Vernet, Sergius. 3,407,663.

Antipol Corp.: *See*—
Zimmer, Walter H. 3,372,530.

Antle, Wade H., to Trudril, Inc. Stabilizer and deflecting tool. 3,370,657, 2-27-68, Cl. 175—74.

Antles, Lucille S., and W. E. Parsons; said Parsons assor. to said Antles. Beehive exit device. 3,371,360, 3-5-68, Cl. 6—4.

Anton, Anthony: *See*—
Booth, Harold E., and Anton. 3,388,591.

Anton, Anthony, to E. I. du Pont de Nemours and Co. Stabilized dye receptive polyamide containing copper acetate, potassium iodide and hexamethylenediammonium phenylphosphinate. 3,377,314, 4-9-68, Cl. 260—45.75.

Anton, Anthony, and E. J. Volcheck, Jr., to E. I. du Pont de Nemours and Co. Crimpable bicomponent nylon filament. 3,418,199, 12-24-68, Cl. 161—175.

Antonenko, Fedor A. Crank mechanism with adjustable eccentricity. 3,375,730, 4-2-68, Cl. 74—571.

Antonevich, John N., to Blackstone Corp. Ultrasonic transducers. 3,370,186, 2-20-68, Cl. 310—8.2.

Antonevich, Michael, to Crawford Stop-Motion Co., Inc. Multiple yarn stop motion assembly. 3,379,037, 4-23-68, Cl. 66—163.

Antonik, Alan S. Adhesive bandage having container of liquid medicament. 3,366,112, 1-30-68, Cl. 128—268.

Antonik, Frank: *See*—
Montana, Donald M., Lisle, and Antonik. 3,383,685.

Antonio, John, to Sperry Rand Corp. Reliability checking system for data sensing devices. 3,361,896, 1-2-68, Cl. 235—61.11.

Antonioli, Louis A. Foldaway seating platform. 3,394,963, 7-30-68, Cl. 297—232.

Antonious, Anthony J., to The Ajac Corp. Putter with alignment facilitating and weighting means. 3,408,074, 10-29-68, Cl. 273—164.

Antonissen, Petrus J.: *See*—
Schulze Zur Wiesche, Klaus G. F., Antonissen, and Van Der Buut. 3,412,015.

Antonov, Elmar A.: *See*—
Voitsekhovsky, Bogdan V., Antonov, Nickolaev, Shoikhet, Dudin, and Shevchenko. 3,412,554.

Antonsen, Anker K., and M. L. Foreman. Uniflow scavenged engine having improved gaseous fuel admission. 3,407,790, 10-29-68, Cl. 123—65.

Antonsen, Anker K., and M. L. Foreman, to Fairbanks Morse Inc. Turbocharged opposed piston engine having improved air charging and scavenging. 3,411,289, 11-19-68, Cl. 60—13.

Antonsen, Steen H.: *See*—
Arnkjaer, Bent P., Antonsen, and Andersen. 3,372,194.

Antonucci, Carmine J.: *See*—
Foley, Thomas P. Daugirdas, and Antonucci. 3,394,853.
Potter, John T., Foley, and Antonucci. 3,402,657.

Antonucci, Carmine J., to Potter Instrument Co., Inc. Type slug impact control in high speed chain printers. 3,379,125, 4-23-68, Cl. 101—93.

Antonucci, Joseph M.: *See*—
Wall, Leo A., and Antonucci. 3,394,190.

Antraigue, Roger. Machine for treating pneumatic tires. 3,375,153, 3-26-68, Cl. 156—410.

Antraigue, Roger. Scraping device for pneumatic-tire carcasses. 3,409,066, 11-5-68, Cl. 157—13.

Antram, Howard E., to Diebold, Inc. Power file level control. 3,363,958. 1-16-68, Cl. 312—268.

Antran Corp.: *See*—
Savin, Cornelius, Vorwald, and Vagts. 3,377,718.
Savin, Cornelius, Vorwald, and Vagts. 3,382,591.
Savin, Cornelius, Vorwald, and Vagts. 3,384,975.
Savin, Cornelius, Vorwald, and Vagts. 3,386,190.

Anttila, Erkki. Corner joint between two timber beams. 3,381,985, 5-7-68, Cl. 287—20.92.

Antunez, Armand E., Jr. Float valve. 3,389,887, 6-25-68, Cl. 251—367.

Antunovic, Anthony J. Deceleration indicator for motor vehicles. 3,375,496, 3-26-68, Cl. 340—72.

Anulf, Karl A.: *See*—
Grundin, Ivan W., Anulf, and Berglund. 3,383,471.

Anway, Alan C., J. E. Dawkins, and R. D. Joy, to Collins Radio Co. Full rotation measuring optical instrument providing precise angular readout. 3,381,570, 5-7-68, Cl. 88—14.

Anyos, Tom, and W. W. Moyer, Jr., to Borg-Warner Corp. Photochemical process for preparing α,β-dichloropropionitrile. 3,401,105, 9-10-68, Cl. 204—158.

Anzac Electronics, Inc.: *See*—
Podellm, Allen F. 3,399,340.

Anzenberger, Joseph F., to Monsanto Co. Imidazolines having polyalkenylsuccinimido-containing substituents. 3,415,750, 12-10-68, Cl. 252—51.5.

Anzini, Renato. Mechanical wire joint. 3,376,545, 4-2-68, Cl. 339—273.

Aoki, Akira: *See*—
Yokouchi, Rei, Ichikawa, Hosoi, Aoki, and Takagishi. 3,376,265.
Nagashima, Jiro, and Aoki. 3,395,695.

Aoki, Katashi. Apparatus and process for injection molding a plastic tray. 3,363,040, 1-9-68, Cl. 264—278.

Aoki, Katashi. Injection molding machine. 3,388,431, 6-18-68, Cl. 18—42.

Aoki, Katsumichi: *See*—
Hatanaka, Masayoshi, Ohtsuka, and Aoki. 3,370,084.

Aoki, Kiyoshi: *See*—
Yoshimura, Kenkichi, Aoki, and Honda. 3,373,092.

Aoki, Kunio: *See*—
Morikawa, Takashi, Aoki, Arita, Fujitani, Mishiro, and Miyoshi. 3,360,831.

Aoki, Michiro, and N. Kitagawa. High frequency semiconductor diode. 3,384,791, 5-21-68, Cl. 317—234.

Aoki, Mikio: *See*—
Sasaki, Hiroshi, Aoki, Okada, Kinoshita, and Shiro. 3,408,256.

Aoki, Minoru: *See*—
Futaki, Hisao, Shimoda, Narita, Kobayashi, Kazuo, Aoki, and Yamada. 3,402,131.

Aoki, Toshikazu: *See*—
Nagashima, Jiro, and Aoki. 3,381,681.

Aoki, Yoshio: *See*—
Tokorozawa, Sadao, Iwaski, and Aoki. 3,399,946.

Aonoff, Edward S.: *See*—
Brent, George T., and Aonoff. 3,374,784.

Aoyama, Hideyuki, to Tokyo Shibaura Denki Kabushiki Kaisha. Flow vortex suppressor for inlet water box. 3,361,196, 1-2-68, Cl. 165—134.

Aoyama, Mashiro: *See*—
Hata, Go, Aoyama, Nishino, and Miyake. 3,405,193.

Aozuka, Noriyoshi: *See*—
Oga, Taijiro, Kitabatake, Tanabe, Ito, Aozuka, and Ikeda. 3,395,173.

Apat, Joseph K., to American Home Products Corp. Apparatus for testing sharpness of needles. 3,418,855, 12-31-68, Cl. 73—432.

Apblett, William R.: *See*—
Kunsagi, Laszlo, Apblett, Berman, Helfetz, and Magol. 3,372,565.

Apblett, William R., J. Martin, and E. J. Philipps, to Foster Wheeler Corp. Application of a pulsating current to tube to tube sheet welding. 3,390,250, 6-25-68, Cl. 219—125.

Apel, Francis N.: *See*—
Cotter, Robert J., Apel, and Conte. 3,408,407.
Cotter, Robert J., Apel, and Conte. 3,419,624.

Apel, Francis N., and L. B. Conte, Jr., to Union Carbide Corp. Process for the preparation of dinuclear halophenols. 3,367,-974, 2-6-68, Cl. 260—607.

Apelian, Henry M.: *See*—
Gans, Eugene H., and Apelian. 3,388,041.

Apex Bearing Co., The: *See*—
Weichsel, Richard H. 3,407,013.

Apex Machine Co.: *See*—
Bodor, Oliver W. 3,364,850.

Apfel, George: *See*—
Miller, Durando, and Apfel. 3,393,804.

Apfel, Harland W. Apparatus and method for making set-ups of teeth for dentures. 3,367,028, 2-6-68, Cl. 32—11.

Apfelbaum, Jerome G., to Faultsensors, Inc. High water alarm for drainage sump. 3,399,399, 8-27-68, Cl. 340—244.

Apfelbeck, Otto L., to Westinghouse Electric Corp. Highly accurate frequency measuring circuit. 3,398,366, 8-20-68, Cl. 324—78.

Apfelbeck, Otto L., to Westinghouse Electric Corp. Temperature compensated tunnel diode voltage comparator circuit. 3,403,265, 9-24-68, Cl. 307—235.

Apfelbeck, Otto L., and N. G. Eversole, to Westinghouse Electric Corp. Undervoltage sensing circuit. 3,383,522, 5–14–68, Cl. 307—88.5.

Apgar, Martha M. Arm sling. 3,371,663, 3–5–68, Cl. 128—94.

Apgar, Robert R., Jr.: *See*—
Bear, Marshall D., Laue, and Apgar. 3,366,805.

Apitz, Peter F.: *See*—
Cress, Vernor B., Jr., Apitz, Halamandaris, Wheeler and Hoyt. 3,414,876.
Cress, Vernor B., Jr., Hoyt, Metz, Pollock, Keber, Cabe, and Apitz. 3,376,546.

Apostle, Basil G.: *See*—
Cheng, Chao-Shing, Hecker, Apostle, and Snider. 3,406,-167.

Apotheker, David, to E. I. du Pont de Nemours and Co. Process for preparing prevulcanized chloroprene polymer latices. 3,392,134, 7–9–68, Cl. 260—29.7.

Apotheloz, Robert, to Oerlikon-Buhrle Holding Ltd. Holding device for a rocket in a launcher tube. 3,398,639, 8–27–68, Cl. 89—1.806.

Apotheloz, Robert, to Oerlikon-Buhrle Holding Ltd. Impact fuse for projectiles. 3,410,215, 11–12–68, Cl. 102—78.

Apotheloz, Robert, H. Schenk, and A. Gelbert, to Oerlikon-Buhrle Holding Ltd. Rocket launcher device. 3,398,640, 8–27–68, Cl. 89—1.813.

Appalachian Electronic Instruments, Inc.: *See*—
Fertig, Raymond B. 3,409,779.
Fertig, Raymond B., and Sessions. 3,385,971.
Nickell, Lawrence C., Fertig, and Perkins. 3,417,252.

Apparatebau Rothemuhle Brandt & Kritzler: *See*—
Dedow, Joachim. 3,369,592.

Apparatus Controls: *See*—
Wells, Arthur N. 3,368,587.

Appareillage Thermoflex: *See*—
Mayer, Ferdy. 3,384,440.

Appel, Arne, to North American Philips Co., Inc. Recording and/or playback apparatus. 3,414,269, 12–3–68, Cl. 274—4.

Appel, David W., J. B. Graham, and C. L. Sanford, to Kimberly Clark Corp. Stock inlet for a papermaking machine. 3,373,080, 3–12–68, Cl. 162—343.

Appel, Mel, to Buddy L Corp. Toy gasoline pump. 3,387,404, 6–11–68, Cl. 46—39.

Appel, Rolf, to Olin Mathieson Chemical Corp. Imino bis (sulfuryl halide) product and process for preparing the same. 3,379,509, 4–23–68, Cl. 23—357.

Appel, Rolf, to Olin Mathieson Chemical Corp. Process for preparing iminobis(sulfuryl halide). 3,387,946, 6–11–68, Cl. 23—357.

Appel, Rolf, to Olin Mathieson Chemical Corp. Bis (triphenylhalophosphiniminium) thionyl halides. 3,414,613, 12–3–68, Cl. 260—551.

Appeldorn, Roger H., and D. C. Gilkeson, to Minnesota Mining and Mfg. Co. Projective objective having three elements plus an integral right angle prism. 3,408,135, 10–29–68, Cl. 350—202.

Appell, Herbert R., to Koppers Co., Inc. Method of making diacyl peroxides. 3,397,245, 8–13–68, Cl. 260—610.

Appeman, Ralph. Internal combustion engines. 3,386,424, 6–4–68, Cl. 123—48.

Appenzeller, Valentin: *See*—
Knesters, Eduard, and Appenzeller. 3,406,542.

Appl, Elmer J. Blade fastening arrangement for implements. 3,371,723, 3–5–68, Cl. 172—753.

Apple, Garold E. Tree boring apparatus. 3,381,726, 5–7–68, Cl. 144—93.

Applebaum, Samuel B., to Crane Co. Hot process softeners. 3,375,930, 4–2–68, Cl. 210—207.

Applebaum, Samuel B., and G. J. Crits, to Crane Co. Condensate purification process. 3,414,508, 12–3–68, Cl. 210—32.

Applebaum, Sherman H., and F. H. Peterson, to Diversified Products Mfg. Co. Comminutor with volumetric proportioned feed. 3,394,894, 7–30–68, Cl. 241—101.

Appleby, Henry H., to Neway Sales, Inc. Stabilizing adapter and valve seat depth regulator. 3,391,604, 7–9–68, Cl. 90—12.5.

Applegate, Merlin J.: *See*—
Dufendach, William R., and Applegate. 3,378,639.

Applegath, Douglas D., G. A. Klumb, and G. E. Waples, Jr., to The Dow Chemical Co. Liquid copolymers of ethylene, another alpha olefin and carboxylic acids and compositions thereof with polyepoxides. 3,361,842, 1–2–68, Cl. 260—837.

Appleman, Larry: *See*—
Bolton, Norman A., Appleman, Brady, and Smith. 3,383,-653.
Frielinghaus, Klaus H., Wetmore, and Appleman. 3,403,-382.

Applequist, Roy A., R. K. Brunner, and R. E. Pattison. International Business Machines Corp. Method for removing microscopic dust particles. 3,366,390, 1–30–68, Cl. 274—47.

Appleton, Arthur I. Ship stabilization means. 3,392,694, 7–16–68, Cl. 114—122.

Appleton, Arthur I. Nonjamming housing and cover assembly. 3,393,824, 7–23–68, Cl. 220—39.

Appleton, Arthur I. Single piece connector for flexible hosing. 3,408,092, 10–29–68, Cl. 285—39.

Appleton, Arthur I. Connector for flexible hosing. 3,408,099, 10–29–68, Cl. 285—247.

Appleton Electric Co.: *See*—
Appleton, Norton A. 3,410,582.

Appleton Machine Co.: *See*—
Bender, Ray S., Lamon, Paull, and Plach. 3,407,565.
Lamon, David E., and Paull. 3,393,492.
Lamon, David E., and Scott. 3,386,672.
Thomas, Edgar E., and Lamon. 3,379,170.

Appleton Mills: *See*—
Helland, Howard M. 3,383,278.
Helland, Howard M., and Orbison. 3,382,979.
Tewksbury, Charles G., and Mizell. 3,365,766.
Tewksbury, Charles G., and Mizell. 3,386,849.

Appleton, N.V., (U.K.), Ltd.: *See*—
Evans, Henry E. 3,397,904.

Appleton, Norman J., to Raytheon Co. Stroboscopic display device with rotatable drum having characters in staggered columns. 3,400,387, 9–3–68, Cl. 340—324.

Appleton, Norton A., to Appleton Electric Co. Box clamp and screw assembly. 3,410,582, 11–12–68, Cl. 285—128.

Appleton Wire Works Corp.: *See*—
Haller, Herbert C. 3,366,355.
Lee, Charles A., and Furbeck. 3,395,658.

Applezweig, Norman, to Neomed Laboratories, Inc. Oral dosage system effective to control the reproduction cycle. 3,409,721, 11–5–68, Cl. 424—230.

Applied Biological Science Laboratory, Inc.: *See*—
Scott, Robert D. 3,388,803.
Smallbone, Allan H. 3,388,427.

Applied Controls Ltd.: *See*—
Kay, Francis X. 3,391,703.

Applied Data Research, Inc.: *See*—
Goetz, Martin A. 3,380,029.

Applied Dynamics, Inc.: *See*—
Fogarty, Laurence E., and Howe. 3,370,159.
Gilbert, Edward O., and Single. 3,381,230.
Gilbert, Elmer G. 3,371,223.
Gilbert, Elmer G. 3,381,231.

Applied Electro Mechanics, Inc.: *See*—
Brown, Harry B. 3,365,735.
Brown, Harry B. 3,371,258.

Applied Physics Corp.: *See*—
Cary, Henry H. 3,414,356.

Applied Power Industries, Inc.: *See*—
Hare, Richard C. 3,416,457.
Heinrich, Allan E. 3,407,597.
Leissner, William R. 3,403,949.
Master, Wesley R. 3,413,835.
Sessody, Donald W. 3,396,637.
Stein, Gary. 3,407,737.
Stein, Gary, and Halwas. 3,415,160.

Applied Research and Engineering Ltd.: *See*—
Starmer, Roy. 3,396,086.
Starmer, Roy. 3,412,558.

Applied Research Laboratories, Inc.: *See*—
Hasler, Maurice F., and Nicholson. 3,384,756.

Appolloni, John: *See*—
Richards, Ernest A., Vetere, and Appolloni. 3,413,054.

Apri, Edward W. Limited motion device for shoulder harnesses and the like. 3,419,308, 12–31–68, Cl. 297—386.

Apsco Products, Inc.: *See*—
Goodrich, Robert S. 3,406,805.
Humphrey, John H., Scheirer, and Cheslak. 3,372,787.
McInnis, Andrew M. 3,366,212.

Aqua-Chem, Inc.: *See*—
Cleaver, John C., Rehm, Wiegratz, and Baron. 3,408,990.
Goeldner, Richard W. 3,389,059.
Goeldner, Richard W., and Leitner. 3,388,045.
Loebel, Frederick A. 3,380,895.
Loebel Frederick A., and Steinbruchel. 3,395,084.

Aquador Plastics, Inc.: *See*—
Clive, Peter, and Gattuso. 3,367,843.

Aqua-Marine Mfg. Ltd.: *See*—
Faul, Thomas L. 3,368,443.

Aquamation Inc.: *See*—
Carsten, Paul W. 3,410,518.

Aquarium Systems, Inc.: *See*—
Kelley, William E., and Smith. 3,387,587.

Aquariums Inc.: *See*—
Willinger, Allan H. 3,392,836.

Aquarius, Conrardus H. Apparatus for moulding articles of candy. 3,406,644, 10–22–68, Cl. 107—69.

Aquarius Industries: *See*—
Boston, John. 3,406,828.

Aquarius, Joannes F.: *See*—
Aquarius, Theodorus H. and J. F. 3,412,527.

Aquarius, Theodorus H. and J. F., to N.V. Machinefabriek v/h Gebr. th. en J. Aquarius. Heat sealing packing device. 3,412,527, 11–26–68, Cl. 53—390.

Aquasonics Engineering Co., Inc.: *See*—
Cyr, Reginald J. 3,372,370.

Aqua Stables, Inc.: *See*—
Lo Bue, Louis. 3,372,663.
Lo Bue, Louis. 3,391,667.

Aqua-Tec Corp.: *See*—
Deines, Siegmund. 3,376,606.
Mattingly, John W. 3,393,673.

Aquatic Controls Corp.: *See*—
Grinwald, Mathias E. 3,363,596.

Aquionics Corp.: *See*—
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Ara, Inc.: *See*—
Mazelsky, Bernard. 3,369,634.

Arabian, Karekin G., to Shell Oil Co. Wax laminating composition. 3,385,720, 5–28–68, Cl. 106—230.

Arabian, Karekin G., to Shell Oil Co. Wax/copolymer composition. 3,409,576, 11–5–68, Cl. 260—28.5.

Aracese, Oreste: *See*—
Green, James R., Zimmerman, and Arcese. 3,392,823.

Aragona, Robert J., and J. T. Fryling, said Fryling assor. to said Aragona. Underwater breathing device with valved float. 3,370,586, 2–27–68, Cl. 128—145.

Arai, Akida: *See*—
Fukushima, Danji, Uchida, Hayashi, Yasuda, and Arai. 3,361,643.

Arai, Takeji, M. Ariga, and S. Yoshiyama, to O-M Ltd. Method of producing slivers from synthetic fiber tows. 3,377,663, 4–16–68, Cl. 19—.39.

Arai, Yasumichi: *See*—
Shirasu, Hirotoshi, Akiyama, and Arai. 3,382,323.

Arakawa Rinsan Kagaku Kogyo Kabushiki Kaisha: *See*—
Takei, Koji, Miyamoto, and Kenmotsu. 3,379,663.

Araki, Hidejiro, and K. Tsujioka, to Toyoda Automatic Loom Works, Ltd. Fly frame. 3,380,238, 4–20–68, Cl. 57—52.

Araki, Hidejiro, and K. Tsujioka, to Toyoda Automatic Loom Works, Ltd. Apparatus for cone belt return motion in a fly frame. 3,385,124, 5–28–68, Cl. 74—242.3.

Araki, Tsuneo, and T. Takesa, to Tokyo Shibaura Electric Co., Ltd. System for reproducing magnetically recorded television signals including a vertical sync pulse generator. 3,407,266, 10–22–68, Cl. 178—6.6.

Araldi, Mario: *See*—
Marconi, Walter, Mazzei, Araldi, and Bruzzone. 3,417,065.

Aramini, Salvatore J., to Trufast Products, Inc. Fabric creasing and pressing machine. 3,419,200, 12–31–68, Cl. 223—38.

Arant, Perry, to Clayton Mfg. Co. Forced circulation steam generator with thermal-mechanical pre-removal of corrosive gases from the liquid supplied to the heating coil. 3,399,655, 9–3–68, Cl. 122—406.

Arasim, John, Jr., to Sparton Corp. Direct drive pressure transducer. 3,411,362, 11–19–68, Cl. 73—398.

Arawaka, Tsukasa: *See*—
Watanabe, Yasuo, Arawaka, and Takahashi. 3,362,892.

Arazi, Efraim R., to Itek Corp. Data pattern motion cancellation system using image amplifier with electrical deflection of the electron stream. 3,393,320, 7–16–68, Cl. 250—217.

Arbeitsgemeinschaft Versuchs-Reaktor AVR G.m.b.H.: *See*—
Jeitner, Franz, Reinhart, and Semmler. 3,398,052.

Arberman, Jerome, and B. W. Abrams, to United States of America, Navy. Pulse discriminator with noise suppression. 3,387,221, 6–4–68, Cl. 329—104.

Arblaster, Dennis. Patient's file chart clip. 3,397,434, 8–20–68, Cl. 24—255.

Arbogast, Fred, Co., Inc.: *See*—
Oney, John. 3,363,359.

Arbogast, Frederick L., to E. I. du Pont de Nemours and Co. Polymerization of hexafluoropropylene oxide. 3,412,148, 11–19–68, Cl. 260—544.

Arburg Maschinenfabrik Hehl & Sohne: *See*—
Hehl, Karl. 3,370,324.
Hehl, Karl. 3,373,459.

Arcarese, Joseph J.: *See*—
Hinman, Frank Jr., Folkman, and Arcarese. 3,415,299.

Arcarese, Joseph J., G. Coanda, and J. S. de Berry, to American Hospital Supply Corp. Hypodermic syringe destroyer. 3,404,593 10–8–68, Cl. 83—167.

Arce, Henry L., D. L. Stoner, and J. L. Whitener, to Ametek, Inc. Autopilot utilizing a hall element. 3,365,643, 1–23–68, Cl. 318—489.

Arcesi, Joseph A.: *See*—
Kaplan, Melvin, and Arcesi. 3,390,164.

Archambault, Maurice, and C. A. Olivier, to Ministere Des Richesses Naturelles. Carbonatizing roast of lithium-bearing ores. 3,380,802, 4–30–68, Cl. 23—63.

Archdale, James, and Co. Ltd.: *See*—
Huntley, Eric J. 3,412,633.

Archdale, John H., and C. H. Schmidgall. Artificial limb joint. 3,397,903, 8–20–68, Cl. 287—101.

Archer, Alan: *See*—
Wainwright, Ralph, and Archer. 3,389,661.

Archer, Alva I., to Honeywell Inc. Semiconductor integrated circuit apparatus. 3,402,330, 9–17–68, Cl. 317—235.

Archer, Andrew M. Electrical connector. 3,377,613, 4–9–68, Cl. 339—154.

Archer, Andrew M. Adaptor for converting electrical two-receptacle sockets into three-receptacle sockets. 3,390,368, 6–25–68, Cl. 339—14.

Archer, Berwyn T.: *See*—
Schneider, Eric J., and Archer. 3,382,756.

Archer-Daniels-Midland Co.: *See*—
Korf, Christiaan. 3,401,130.
Paulsen, Twila M. 3,361,574.
Paulsen, Twila M. 3,361,575.

Archer, Fred C. Hydraulic release for gyratory crushers. 3,397,846, 8–20–68, Cl. 241—286.

Archer, Gardner, and K. E. Schoenherr, to Missouri Research, Inc. Articulated ship and coupling means therefor having means to establish structural integrity. 3,370,564, 2–27–68, Cl. 114—77.

Archer, Giles A., and L. H. Sternbach, to Hoffmann-La Roche Inc. 2 aminobenzhydrylhalides. 3,370,091, 2–20–68, Cl. 260—570.

Archer, Giles A., and L. H. Sternbach, to Hoffmann-La Roche Inc. Certain 1-substituted-benzodiazepin-2-one compounds. 3,391,138, 7–2–68, Cl. 260—239.3.

Archer, Giles A., and L. H. Sternbach, to Hoffmann-La Roche Inc. Process for preparing 1,3,4,5-tetrahydro-5-phenyl-2H-1,4-benzodiazepin-2-ones. 3,414,562, 12–3–68, Cl. 260—239.3.

Archer, Hugh M., to Phillips Petroleum Co. Method for forming plastic rods and profiles. 3,392,224, 7–9–68, Cl. 264—176.

Archer Products, Inc.: *See*—
Phillips, Floyd L., Jr. 3,366,308.
Phillips, Floyd L., Jr. 3,405,859.

Archer, Robert J.: *See*—
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Arnold, Philip M., to Phillips Petroleum Co. Biaxially oriented plastic film laminate and method for forming same. 3,415,710, 12–10–68, Cl. 161—55.
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Arnoldy, Roman F. Method of making abrasion resistant plate. 3,407,478, 10–29–68, Cl. 29—528.
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Roteman, Jerome, and Arnowich. 3,411,937.
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Arsenault, Albert J. Fishing rod handling device. 3,372,510. 3-12-68, Cl. 43—21.2.

Arsenault, Albert J. Fishing rod handling device. 3,410,016, 11-12-68, Cl. 43—21.2.

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Avakian, Hrant J. Louvered zigzag fin strip forming machine. 3,367,161, 2–6–68, Cl. 72—186.

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Avalear, Garry P., to Bolce Gages, Inc. Precision coordinates measurement apparatus for gaging and layout operations. 3,384,970, 5–28–68, Cl. 33—189.

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Avella, Frank J., and F. C. Palilla, to General Telephone and Electronics Laboratories, Inc. Method of preparing yttrium oxide phosphors. 3,368,980, 2–13–68, Cl. 252—301.4.

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Averill, Eugene F., to Titus Mfg. Corp. Modular building structures embodying slotted ceilings and modular partition walls. 3,410,042, 11–12–68, Cl. 52—238.

Averill, Eugene F., to Titus Mfg. Corp. Slot diffuser with clip-in pattern controller. 3,412,669, 11–26–68, Cl. 98—40.

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Avins, Jack, to Radio Corp. of America. Frequency modulation detector circuit suitable for integration in a monolithic semiconductor body. 3,383,607, 5–14–68, Cl. 329—119.

Avins, Jack, to Radio Corp. of America. FM counter-type detector especially suited for integrated circuit fabrication. 3,399,353, 8–27–68, Cl. 329—126.

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Axelsson, Sten S., to A. B. Bahco. Portable stove. 3,400,705, 9–10–68, Cl. 126—44.

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Aykan, Kamran, to E. I. du Pont de Nemours and Co. Process for improving the catalytic properties of lead titanate. 3,362,784, 1–9–68, Cl. 23—51.

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Mangini, Angelo, Tundo, and Mazzanti. 3,371,082.
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Azinger, Frederick A., Jr., to Westinghouse Electric Corp. Gas-blast circuit breaker system with current-responsive initiating synchronous relay. 3,379,850, 4–23–68, Cl. 200—148.

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Azuma, Kimikazu. Method for producing foamable thermoplastic resin composition. 3,368,008, 2–6–68, Cl. 264—53.

Azuma, Kimikazu. Process and apparatus for the continuous production of polystyrenic foam materials. 3,374,300, 3–19–68, Cl. 264—46.

Azuma, Shiro. Bar feeding apparatus for an automatic lathe. 3,419,160, 12–31–68, Cl. 214—1.2.

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Jack, James, and King. 3,385,918.

Baader, Herbert: *See*—
Sennewald, Kurt, Baader, Gehrmann, Lugosy, Vogt, and Viertel. 3,413,365.
Sennewald, Kurt, Baader, and Reis. 3,413,207.
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Sennewald, Kurt, Vogt, and Baader. 3,413,206.
Sennewald, Kurt, Vogt, and Baader. 3,413,375.

Baak, Nils T. E. A., and C. F. Rapp, to Owens-Illinois, Inc. Sealed glass article of manufacture. 3,414,465, 12–3–68, Cl. 161—193.

Baars, Delbert C.: *See*—
Belanich, John A., Baars, and Kok. 3,373,442.

Baarson, Robert E.: *See*—
Ray, Charles L., Baarson, and Long. 3,404,777.

Baarson, Robert E., and C. L. Ray, to Armour and Co. Metallic sulfide flotation process. 3,370,704, 2–27–68, Cl. 209—166.

Baarson, Robert E., and C. L. Ray, to Armour Industrial Chemical Co. Nitrogenous material fractions obtained from gilsonite in froth flotation. 3,414,128, 12–3–68, Cl. 209—167.

Baartman, Johan L.: *See*—
Bruijning, Hugo G., and Baartman. 3,409,801.

Baasner, Wilhelm: *See*—
Koehler, Roland, Baasner, Nagel, and Engelage. 3,387,760.

Baatrup, Johannes V., to Danfoss A/S. Compensated thermally-responsive automatic control system. 3,414,694, 12–3–68, Cl. 337—1.

Baba, Osao: *See*—
Sakuragi, Taketami, Baba, and Akiyama. 3,402,136.

Baba, Theodore B., and I. L. Mador, to National Distillers and Chemical Corp. Producing and recovering vinyl acetate from a gaseous mixture by fractional distillation. 3,404,177, 10–1–68, Cl. 260—497.

Babakitis, James, to Continental Can Co., Inc. Soldering evaluation by capillary rise and apparatus therefor. 3,382,703, 5–14–68, Cl. 73—15.

Babany, Lucien, D. Bernadet, and Marchal, to CIT Compagnie Industrielle des Telecommunications. Multi-range frequency generator using frequency dividing techniques. 3,413,565, 11–26–68, Cl. 331—18.

Babb, Jack D., to Arvin Industries, Inc. Printed circuit board adapter. 3,388,210, 6–11–68, Cl. 174—138.

Babb, Richard C.: *See*—
Rike, James L., Babb, and Potts. 3,373,818.

Babbit, Douglas K.: *See*—
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Babbitt, Charles A., to Torrance Specialty Fixtures, Inc., d.b.a. Torrance Machinery and Engineering, Inc. 3,417,591, 12–24–68, Cl. 72—181.

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Babbitt, John H., Jr., to Caterpillar Tractor Co. Cooling means for vehicle electric drive components. 3,395,770, 8–6–68, Cl. 180—65.

Babcock, Donald E., E. C. Iudice, and G. G. Reed, Jr., to R–N Corp. Process for direct reduction of iron-bearing ores, slags and the like. 3,361,557, 1–2–68, Cl. 75—1.

Babcock Electronics Corp.: *See*—
Cartwright, Victor F. 3,380,051.
Dutton, Oscar B., and Petry. 3,397,398.
Morrison, Donald R., and Muller. 3,395,374.

Babcock, Henry N. Building construction and method. 3,398,491, 8–27–68, Cl. 52—90.

Babcock, John C.: *See*—
Campbell, J. Allan, and Babcock. 3,380,886.
Campbell, J. Allan, and Babcock. 3,383,282.
Campbell, J. Allan, and Babcock. 3,384,543.
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Babcock, John C., and J. A. Campbell, to The Upjohn Co. 3-hydroxy and 3-monoacylated steroids and the 6- and 16-substituted analogues thereof. 3,408,370, 10–29–68, Cl. 260—397.4.

Babcock, John C., and J. A. Campbell, to The Upjohn Co. Compositions and treatments using 6-methyl-16-methylene-17-hydroxy-4,6-pregnadiene-3,20-dione 17-acetate. 3,417,182, 12–17–68, Cl. 424—243.

Babcock & Wilcox Co., The: *See*—
Ammon, Johannes H., Schlichting, and Sprague. 3,401,082.
Batyko, Robert J. 3,361,117.
Baumgartel, Frank A., and Hage. 3,368,753.
Boll, Richard H. 3,400,513.
Bulliet, Leander J. 3,364,318.
Carpenter, Otis R., and Emmanuel. 3,370,993.
Catlin, Everett A., and Cort. 3,373,544.
Chesnut, George R., Jr. 3,375,816.
Cobb, Robert V., Coulter, Hage, and Rice. 3,383,515.
Culp, Samuel K., and Plepho. 3,412,699.
Dickson, Edwin J. 3,400,672.
Edgecombe, David A. 3,360,975.
Edgecombe, David A. 3,362,205.
Edgecombe, David A., Marshall, and Evans. Re. 26,457.
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Eisenstein, Albert. 3,380,514.
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Hawkins, Ronald J. 3,385,760.
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Hurst, Thomas B., and Winklepleck. 3,396,514.
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McDonald, Bertrand N. 3,407,625.
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Schluderberg, Donald C. 3,364,121.
Schluderberg, Donald C., Winders, and Dossett. 3,414,473.
Silk, Edmond J., and Jessen. 3,390,448.
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Woodcock, Melville T., and Whamby. 3,377,490.
Worley, Norman G., and Powell. 3,393,496.
Worley, Norman G., Taylor, and Prasher. 3,393,664.

Babel, Henry W., R. I. Jaffee, and B. B. Moss, ⅓ to The Battelle Development Corp., and ⅔ to McDonnell Douglas Corp. Contamination barrier and method. 3,380,146, 4–30–68, Cl. 29—423.

Babel, Louis, and P. Peytavin, to Societe Civile dite: Societe Civile d'Etudes de Centrifugation. Process for effecting the continuous rotary casting of hollow steel blanks. 3,416,591, 12–17–68, Cl. 164—85.

Babian, Theodore H. Shank type coupler and adapter inserter. 3,368,270, 2–13–68, Cl. 29—237.

Babiciu, Pavel, G. Fieger, R. Attahal, N. Gheorghe, and R. Nicolaie, to Ministerul Industriel Constructiilor de Masini. Centrifugal distributor for fertilizer and other materials in powder or granules. 3,411,719, 11–19–68, Cl. 239—667.

Babigan, Raymond. Electrical conductor containing an ionizable gas and radioactive material to ionize the gas. 3,361,866, 1–2–68, Cl. 174—28.

Babigan, Raymond, 40% to H. L. Halpert. Method for preparation of a fried potato product which has an exterior of crisp ribs and a soft mealy interior. 3,391,005, 7–2–68, Cl. 99—100.

Babikov, Oleg I., B. E. Mikhalev, G. S. Pol-Mari, J. A. Lapshin, and V. A. Magnitsky. Ultrasonic apparatus for checking processes in liquid media. 3,413,595, 11–26–68, Cl. 340—5.

Babington, Robert S. Watering device. 3,361,363, 1–2–68, Cl. 239—267.

Babington, Robert S., A. A. Yetman, and W. R. Slivka. Porous block humidification. 3,378,238, 4–16–68, Cl. 261—26.

Babkin, Svetoslav I.: *See*—
Kasulin, Vyacheslav S., Babkin, Kalinina, and Gambashidze. 3,388,847.

Babl, Albert, and H. Geng, to Louza-Werke G.m.b.H. Preparation of hexagonal boron nitride. 3,415,625, 12–10–68, Cl. 23—204.

Babler, Egon S.: *See*—
Babler, Otto and E. S. 3,380,741.

Babler, Otto: *See*—
Spohr, Albert R., and Babler. 3,400,457.

Babler, Otto and E. S. Record changer. 3,380,741, 4–30–68, Cl. 274—10.

Babson, Arthur L., to Warner-Lambert Pharmaceutical Co. Process for differentiating the iso-enzymes of lactic dehydrogenase. 3,388,044, 6–11–68, Cl. 195—103.5.

Babson, Edward S., to United Shoe Machinery Corp. Conveyor systems. 3,361,083, 1–2–68, Cl. 104—168.

Babson, Edward S., to United Shoe Machinery Corp. Rack transfer devices. 3,371,621, 3–5–68, Cl. 104—172.

Babson, Robert C., and V. C. James. Turbulence indicator for aircraft. 3,407,668, 10–29–68, Cl. 73—517.

Babunovic, Momir, to Barry-Wehmiller Co. Container discharge apparatus. 3,406,808, 10–22–68, Cl. 198—20.

Babylon, Richard H., to Frick Co. Self sealing coupling. 3,365,216, 1–23–68, Cl. 285—158.

Bach, Carl G., Jr., to General Electric Co. Built-in cooking appliance with side trimming members. 3,376,861, 4–9–68, Cl. 126—37.

Bach, Carl G., Jr., to General Electric Co. Windowed oven door. 3,412,726, 11–26–68, Cl. 126—200.

Bach, Frederich O., to A. B. Dick Co. Photolithographic master and method of manufacture. 3,380,824, 4–30–68, Cl. 96—33.

Bach, Frederick L., J. C. Barclay, and E. Cohen, to American Cyanamid Co. 4-substituted-4′-tertiary aminoalkoxy biphenyls. 3,375,256, 3–26–68, Cl. 260—294.7.

Bach, Frederick O.: *See*—
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Bach, Frederick O., to A. B. Dick Co. Light sensitive lithographic plate of a water soluble diazo compound and a hydrophilic filler material. 3,419,394, 12–31–68, Cl. 96—75.

Bach, Frederick O., and P. E. Frasher, to A. B. Dick Co. Electrophotographic offset master containing a coating of insolubilized polyacrylic acid and method of manufacture. 3,407,064, 10–22–68, Cl. 96—1.8.

Bach, Hartwig C., to Monsanto Co. Fully conjugated alicyclic polymers and process of making same. 3,386,966, 6–4–68, Cl. 260—78.

Bach, Hartwig C., to Monsanto Co. Fully conjugated aromatic polymers. 3,414,545, 12–3–68, Cl. 260—78.

Bach, Henry J., N. F. Barr, M. J. Getting, and J. S. Skinner, to Mobil Oil Corp. Resinous copolyesters comprising aliphatic diol, polyhydric alcohol and dicarboxylic acid diimide and coating solutions containing the same. 3,390,118, 6–25–68, Cl. 260—33.4.

Bach, Jose C., to Industrias Cervello, S.A. Dispensing cap for atomizers. 3,401,845, 9–17–68, Cl. 222—211.

Bach, Lloyd G., and W. B. Claxton, to The Bendix Corp. High pressure release valve. 3,416,548, 12–17–68, Cl. 137—68.

Bach, Niels B. Sedimentation method and apparatus. 3,385,439, 5–28–68, Cl. 210—83.

Bach, Ricardo O., to Lithium Corp. of America, Inc. Preparation of iodic acid and derivatives thereof. 3,378,337, 4–16–68, Cl. 23—85.

Bach, Ricardo O., to Lithium Corp. of America. Method of preparing alkali metal iodides. 3,402,995, 9–24–68, Cl. 23—89.

Bach, Richard E., and D. J. Tompos, to Industrial Nucleonics Corp. Universal probe mounting apparatus. 3,369,408, 2–20–68, Cl. 73—432.

Bachelder, Albert J.: *See*—
Land, Edwin H., and Bachelder. 3,405,617.

Bacher, Ludwig. Trailer hitch. 3,376,051, 4–2–68, Cl. 280—512.

Bacher, Ludwig. Spring unit for spring suspension of axles for transportation vehicles. 3,400,946, 9–10–68, Cl. 280—124.

Bachl, John, Jr., to Standard Oil Co. Spinner for a liquid fuel burner. 3,408,154, 10–29–68, Cl. 431—353.

Bachko, Nicholas, to United States Lines, Inc. Cargo vessel. 3,380,422, 4–30–68, Cl. 114—72.

Bachle, Carl F., to Continental Aviation and Engineering Corp. Retainer structure for variable compression ratio piston. 3,386,347, 6–4–68, Cl. 92—216.

Bachler, Werner, to Leybold Holding A.G. High vacuum pumps. 3,409,211, 11–5–68, Cl. 230—69.

Bachman, Bernhard R., to Haag-Streit A.G. Coordinatograph. 3,374,453, 3–26–68, Cl. 33—18.

Bachman Chocolate Mfg. Co.: *See*—
Hess, Earl H. 3,392,027.

Bachman, Gerhart Herman. Vapor proof connector for underground electrical leads. 3,371,150, 2–27–68, Cl. 174—65.

Bachman, Gustave B., and K. G. Strawn, to Purdue Research Foundation. Process for preparing nitro compounds by reacting organic amines with ozone. 3,377,387, 4–9–68, Cl. 260—632.

Bachman, James L., to Coors Porcelain Co. Support for electrical circuit component. 3,361,868, 1–2–68, Cl. 174—52.

Bachman, Raymond E., and G. J. Luhowy, to General Dynamics Corp. Receiver including input overload protection circuit. 3,372,336, 3–5–68, Cl. 325—376.

Bachman, Walter H.: *See*—
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Bachman, Walter S., and E. V. Surprenant, to United-Carr, Inc. Bowmaking machine. 3,409,190, 11–5–68, Cl. 223—46.

Bachman, William. Synchronized coil unwinder and rewinder. 3,381,913, 5–7–68, Cl. 242—78.6.

Bachman, William S., to Columbia Broadcasting System, Inc. Packaging method and apparatus. 3,405,498, 10–15–68, Cl. 53—29.

Bachmann Bros., Inc.: *See*—
McNeill, Albert G. 3,383,707.
McNeill, Albert G. 3,414,350.

Bachmann, Ditmar, K. Grafen, W. Fischer, and A. Schubring, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the continuous preparation of bis-2-hydroxyethyl phthalates. 3,373,186, 3–12–68, Cl. 260—475.

Bachmann, Ditmar, H. Gerstenberg, E. Paszthory, and E. Schrott, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the continuous preparation of monomeric and oligomeric bis-2-hydroxyethyl phthalates. 3,385,881, 5–28–68, Cl. 260—475.

Bachmann, Ditmar, H. Hoyer, E. Welfers, and W. Fischer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Reactor for the manufacture of polyethylene phthalates. 3,390,965, 7–2–68, Cl. 23—285.

Bachmann, Horst, to Maschinenfabrik Hasencleaver A.G. Apparatus for the heading of conductive workpieces. 3,396,567, 8–13–68, Cl. 72—318.

Bachmann, William E., and H. Gerson, to Allied Chemical Corp. Metal-containing phthalocyanines. 3,393,200, 7–16–68, Cl. 260—314.5.

Bachmann, William V.: *See*—
Megargle, Robert J., Long, and Bachmann. 3,391,960.

Bachofen, Felix, to Fabrik Elektrischer Apparate Sprecher & Schuh A.G. Contact arrangement for vacuum switch including winding contact. 3,361,887, 1–2–68, Cl. 200—166.

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Dickerson, Devere C., and Bachorski. 3,402,703.

Bachwansky, Peter, to Globe-Union Inc. Photovoltaic power assembly. 3,376,164, 4–2–68, Cl. 136—89.

Back, Leonard, to The Interstate Folding Box Co. Registration means for combining cartons and liners. 3,392,637, 7–16–68, Cl. 93—36.01.

Back, Walter, to Bopp & Reuther G.m.b.H. Flow meter. 3,399,567, 9–3–68, Cl. 73—230.

Backberg, Richard W. Self-adhering surface finish laminate. 3,385,743, 5–28–68, Cl. 161—145.

Backe, Eugene K., and G. J. Wiskow, to Allis-Chalmers Mfg. Co. Method of producing fuel cell electrode. 3,406,059, 10–15–68, Cl. 75—222.

Backe, Wolfgang, H.-G. Mobius, E.-A. Becker, and N. Jeschke. Method of and device for producing very fine adjustments for tool carriers and the like. 3,389,557, 6–25–68, Cl. 60—54.5.

Backer, Frank: *See*—
Lusskin, Robert M., Backer, and Larson. 3,384,626.
Lusskin, Robert M., Backer, and Larson. 3,396,147.
Lusskin, Robert M., Backer, and Larson. 3,405,097.

Backer, Leonard N., to Fabric Research Laboratories, Inc. Method for texturing yarns. 3,412,443, 11–26–68, Cl. 28—72.

Backer, William R., to Norton Co. Stabilizing and supporting means for a rotating element. 3,391,498, 7–9–68, Cl. 51—169.

Backhaus, Karl H.: *See*—
Joseph, Charles W., Jr., and Backhaus. 3,396,527.

Backholm, Philip G., and L. B. Prentice, to Digital Equipment Corp. Connector block assembly. 3,371,307, 2–27–68, Cl. 339—121.

Backlund, Ernst A., to Aktiebolaget Kamyr. Method and apparatus for oxidizing spent digestion liquors. 3,362,868, 1–9–68, Cl. 162—30.

Backlund, Ernst A., to Aktiebolaget Kamyr. Method of performing hydrolysis and alkalic digestion of cellulosic fiber material with prevention of lignin precipitation. 3,413,189, 11–26–68, Cl. 162—29.

Backman, Pete A.: *See*—
Cheshier, Hugh S., and Backman. 3,381,998.

Backman, Sture A., and K. L. Winquist. Fuel atomizing burner for liquid fuels. 3,406,906, 10–22–68, Cl. 239—101.

Backman, William O. Articulated pile stabilizer and anchoring device. 3,373,569, 3–19–68, Cl. 61—53.68.

Backstein, Gunter: *See*—
Harnau, Hans-Dieter, and Backstein. 3,398,302.

Backstrom, Sven H.: *See*—
Josefsson, Erik A. A., Bengtsson, and Backstrom. 3,385,694.

Backus, Milo M., and B. M. Baker, to Texas Instruments Inc. Continuous wave marine seismic exploration. 3,413,596, 11–26–68, Cl. 340—7.

Baclini, David. Eccentric adjusting device. 3,385,624, 5–28–68, Cl. 292—341.18.

Bacon American Corp.: *See*—
Barefoot, Carlton K. 3,397,099.
Barefoot, Carlton K. 3,407,106.
Rowe, Ronald C. 3,411,975.

Bacon, Henry S. Rotary jet reaction motors. 3,371,718, 3–5–68, Cl. 170—135.4.

Bacon, John P., to The Budd Co. Ultrasonic transducers and method of manufacture thereof. 3,378,705, 4–16–68, Cl. 310—9.5.

Bacon, Karl W., and E. A. Morgan, to Walt Disney Productions. Boat amusement ride. 3,404,635, 10–8–68, Cl. 104—70.

Bacon, Kenneth H., to Warren Petroleum Corp. Gas separation employing work expansion of feed and fractionator overhead. 3,397,138, 8–13–68, Cl. 208—340.

Bacon, R. S., Veneer Co.: *See*—
Huff, Alvin. 3,398,770.

Bacon, Robert D., and H. R. Markert, to Sonoco Products Co. Dispensing container. 3,377,003, 4–9–68, Cl. 222—386.

Bacon, Robert E., and B. D. Illingsworth, to Eastman Kodak Co. Light-developable direct-print silver halide emulsions containing urazole compounds as halogen acceptors. 3,396,017, 8–6–68, Cl. 96—27.

Bacow, Mitchell L. Radio antenna mounting bracket for vehicles. 3,369,247, 2–13–68, Cl. 343—888.

Bacquart, Jean-Michel, to North American Philips Co., Inc. Electric driving device with controlled speed. 3,377,536, 4–9–68, Cl. 318—246.

Bacquie, Guy O. Earthmoving apparatus. 3,375,596, 4–2–68, Cl. 37—118.

Bacsanyi, Thomas J.: *See*—
Sheldon, Philip, and Bacsanyi. 3,377,742.
Sheldon, Philip, and Bacsanyi. 3,403,908.

Bacso, Imre, and P. A. Diassi, to E. R. Squibb & Sons, Inc. Process for the preparation of 17-lower alkoxy-4α,8,14-trimethyl - 18 - nor-5α,8α,9β,14β-androsta-12,16-diene 3,11-dione. 3,391,171, 7–2–68, Cl. 260—397.45.

Baczkowski, Harry A., R. S. Harrison, and C. K. Weslock, to Ford Motor Co. Carburetor having a cold starting enrichment mechanism. 3,414,243, 12–3–68, Cl. 261—39.

Badali, Joseph A., to Olin Mathieson Chemical Corp. Combined ejector and bolt stop. 3,394,482, 7–30–68, Cl. 42—25.

Badali, Joseph A., to Olin Mathieson Chemical Corp. Trigger, sear, safety assembly. 3,397,474, 8–20–68, Cl. 42—70.

Badali, Joseph A., and J. H. Johnson, to Olin Mathieson Chemical Corp. Grenade launcher for attachment to a rifle. 3,365,828, 1–30–68, Cl. 42—1.

Badali, Joseph A., V. A. Kulikowski, and E. S. Vartanian, to Olin Mathieson Chemical Corp. Automatic safety device with manual release for bolt action firearms. 3,387,400, 6–11–68, Cl. 42—70.

Badali, Joseph A., and J. H. Johnson, to Olin Mathieson Chemical Corp. Magazine having a movable door hinged thereto. 3,390,475, 7–2–68, Cl. 42—49.

Badalich, Frank C., to Bell & Howell Co. Low power intermittent drive with gear assist. 3,386,636, 6–4–68, Cl. 226—76.

Badalich, Frank C., to Bell & Howell Co. Mechanical focus maintaining apparatus for a slide projector. 3,416,859, 12–17–68, Cl. 353—69.

Badavas, Charles A., and R. F. Organ, to American Can Co. Dispensing container closure having a frangible seal. 3,366,289, 1–30–68, Cl. 222—541.

Badcock, David N. W., to Kango Electric Hammers Ltd. Electric motors. 3,414,747, 12–3–68, Cl. 310—50.

Badcock, David N. W., to Kango Electric Hammers Ltd. Portable tools. 3,414,748, 12–3–68, Cl. 310—50.

Badder, Peter T., to Aspro-Nicholas Ltd. Apparatus for forming commodity bearing sachets from pressure sensitive or heat sealable material. 3,405,502, 10–15–68, Cl. 53—51.

Baddour, Raymond F.: *See*—
Ammann, Paul R., Baddour, and Mix. 3,384,467.

Baddour, Raymond F., to Ahcor, Inc. Method of and apparatus for chromatographic separations. 3,374,606, 3–26–68, Cl. 55—67.

Bade, Heinz E. Compressed air-operated drive-in apparatus to drive-in fasteners, for instance, nails, staples or the like. 3,396,636, 8–13–68, Cl. 91—399.

Bade, Heinz E., to J. F. Behrens. Pneumatic fastening machines for staples, nails or the like fasteners. 3,403,600, 10–1–68, Cl. 91—409.

Bade, Heinz E., to J. F. Behrens. Compressed air-operated apparatus to drive in staples, nails or other fasteners in workpieces. 3,407,709, 10–29–68, Cl. 91—461.

Bade, Heinz E., to J. F. Behrens. Pneumatic fastening machines for staples, nails, or the like fasteners. 3,387,541, 6–11–68, Cl. 91—461.

Bade, Rudolf, to W. R. Grace & Co. Vacuum control for moving sheets. 3,396,887, 8–13–68, Cl. 226—1.

Bade, Walter H.: *See*—
Justus, Edgar J., Dahl, Bade, and Hamilton. 3,414,044.

Baden, Hans G. H., to Sun Enterprises Ltd. Apparatus for assembling glass sheets during manufacture of double glazed windows. 3,391,805, 7–9–68, Cl. 214—6.

Baden, Raymond A.: *See*—
Camenisch, Glan C. 3,363,290.

Bader, Clifford J.: *See*—
Fussell, Richard L., and Bader. 3,416,072.

Bader, Erich: *See*—
Schuler, Wilhelm A., Bader, Rink, and Welgert. 3,397,172.

Bäder, Erich, W. Unseld, H. Landsfeld, and G. Morlock, to Deutsche Gold- und Silber Scheideanstalt vormals Roessler. Polymerization of vinyl compounds in the presence of blowing agents. 3,383,339, 5–14–68, Cl. 260—2.5.

Bader, Erich, W. Unseld, H. Landsfeld, and G. Morlock, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Polymerization process. 3,383,448, 5–14–68, Cl. 264—214.

Bader, Frank: *See*—
Richards, Dennis, Bader, and Magoos. 3,374,679.

Bader, George: *See*—
Eager, George S., Jr., and Bader. 3,374,428.

Bader, George, and R. Suarez, to General Cable Corp. Apparatus to measure continuously corona inception and extinction voltages in moving insulated cable cores. 3,370,227, 2–20–68, Cl. 324—54.

Bader, Henri, to Coulter Electronics, Inc. Particle studying apparatus with self-clearing scanner element. 3,395,344, 7–30–68, Cl. 324—71.

Bader, Henryk: *See*—
Biel, John H., Hopps, and Bader. 3,384,641.

Bader, John. Handling system for seaplane engines. 3,373,711, 3–19–68 Cl. 114—43.5.

Badewitz, Charles J., to The Ryan Aeronautical Co. Verticality, altitude and velocity sensing radar. 3,362,024, 1–2–68, Cl. 343—7.

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Bahr, Ulrich, G. Oertel, G. Nischk, and M. Dahm, to Farbenfabriken Bayer Aktiengesellschaft. Phosphorous containing polyesters. 3,410,812, 11–12–68, Cl. 260—2.5.

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Bailey, Frederick E., Jr., and H. G. France, to Union Carbide Corp. Process for polymerizing epoxides using as catalyst the reaction product of calcium hexammoniate and triphenylmethane or fluorene. 3,365,404, 1-23-68, Cl. 260—2.

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Bailey, James R., and R. J. Bokosky, to Switchcraft, Inc. Push button switch with button-actuated carriage adapted to carry plurality of blades for simple and complex switching arrangements. 3,419,696, 12-31-68, Cl. 200—159.

Bailey, James W., and D. F. McAfee, to United States of America, National Aeronautics and Space Administration. Radio frequency coaxial high pass filter. 3,393,384, 7-16-68, Cl. 333—73.

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Bailey, Joseph, to Eastman Kodak Co. Dyes for photographic filter and antihalation layers. 3,398,145, 8-20-68, Cl. 260—240.4.

Bailey, Joseph, to Eastman Kodak Co. Light absorbing dyes derived from barbituric and 2-thiobarbituric acid compounds useful for photography and their preparation. 3,417,084, 12-17-68, Cl. 260—240.2.

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Bailey, Thomas W., to Maul Brothers, Inc. Glass-molding apparatus. 3,383,193, 5-14-68, Cl. 65—234.

Bailey, Walton W., E. P. Maglaughlin, and W. H. Nichols, to Celanese Corp. Recovery of ethanol from a methyl ethyl ketone-ethyl acetate fraction such as produced by hydrocarbon oxidation. 3,404,186, 10-1-68, Cl. 260—593.

Bailey, William A., Jr., to Shell Oil Co. Separating asphaltene coated water-soluble solids from an oil phase. 3,368,876, 2-13-68, Cl. 23—300.

Baillie, Henry M., to United States Steel Corp. Liquid cooled wall for confining hot gases. 3,380,728, 4-30-68, Cl. 266—35.

Baillie, Robert A., to Great Canadian Oil Sands Ltd. Process for recovering a clarified effluent from the discharge of a hot water process treatment of bituminous sand. 3,392,833, 7-16-68, Cl. 210—65.

Baillie, William R.: *See*—
Reed, Martin C., Baillie, and Altmann. 3,394,938.

Bailly, Henri: *See*—
Degonde, Jean, and Bailly. 3,381,300.

Bailly, Henri, B. Francois, and L. Meny, to Commissariat a l'Energie Atomique. Nuclear fuel element. 3,409,504, 11–5–68, Cl. 176—82.

Bailly, Richard L. Molding process. 3,406,234, 10–15–68, Cl. 264—257.

Baily, Frederick G., to General Electric Co. Nested vortex separator. 3,360,908. 1–2–68, Cl. 55—347.

Bain, Alastair S., to Atomic Energy of Canada Ltd. Cladded ceramic nuclear reactor fuel element having axial void. 3,376,201, 4–2–68, Cl. 176—67.

Bain Corp.: *See*—
Spence, Robert A. 3,381,323.
Spence, Robert A. 3,381,324.

Bain, Lewis G., W. R. Franey, and R. P. Vincent, to Pan American Petroleum Corp. Flow monitor. 3,392,580, 7–16–68, Cl. 73—215.

Bain, Peter J. S., and A. Dibbo, to Monsanto Chemicals Ltd. Delayed action acceleration for vulcanization of rubber. 3,406,141, 10–15–68, Cl. 260—41.5.

Bains, Robert W., to Universal Data Acquisition Co., Inc. Electronic interpreter. 3,407,390, 10–22–68, Cl. 340—172.5.

Bains, William R., to Philco-Ford Corp. Fluid flow control means. 3,385,309, 5–28–68, Cl. 137—85.

Bair, Robert L.: *See*—
Cruger, Robert W., Bair, and Thompson. 3,392,938.

Bair, Stanley G., to Allied Filter Engineering, Inc. Pleated filter. 3,376,979, 4–9–68, Cl. 210—457.

Baird-Atomic, Inc.: *See*—
Magrath, Richard A. 3,410,626.
Spergel, Philip. Di Rocco, and Grenier. 3,418,474.

Baird, James L., to Artisan Industries, Inc. Short path, molecular fractional distillation apparatus and method therefor. 3,393,133, 7–16–68, Cl. 203—89.

Baird, James L., and E. A. J. Mroz, to Artisan Industries, Inc. Method of stripping volatile constituents from a mixture. 3,409,515, 11–5–68, Cl. 203—49.

Baird, Robert J.: *See*—
Anderson, John E., Jackson, and Baird. 3,404,253.

Baird, Roger P., Jr. Visual landing simulator for instrument flying. 3,383,679, 5–14–68, Cl. 343—6.

Baird, Roger P., Jr., to Texaco Inc. Viscosity test kit. 3,411,-343. 11–19–68, Cl. 73—57.

Baitinger, William F., Jr., to American Cyanamid Co. Bisamides as light stabilizers for pigmented polymers. 3,393,-175, 7–16–68, Cl. 260—41.

Baits, Stephen S., to Sundstrand Corp. Hydraulic pump or motor. 3,396,670, 8–13–68, Cl. 103—162.

Baits, Stephen S., and W. J. Iseman, to Sundstrand Corp. Pump or motor device. 3,366,072, 1–30–68, Cl. 103—162.

Baizer, Manuel M., to Monsanto Co. Acrylonitrile polymers. 3,375,237. 3–26–68, Cl. 260—88.7.

Baizer, Manuel M., to Monsanto Co. Electrolytic hydrodimerization of certain allyl compounds. 3,390,066, 6–25–68, Cl. 204—72.

Baizer, Manuel M., to Monsanto Co. Electrolytic reductive coupling of azomethines. 3,410,769, 11–12–68, Cl. 204—74.

Baizer, Manuel M., and J. D. Anderson, to Monsanto Co. Electrolysis of di-olefinic compounds. 3,413,202, 11–26–68, Cl. 204—73.

Bajars, Eric, to American Gage & Machine Co. Wide angle D'Arsonval movement having core mounting means interfitted with the core ring. 3,395,349, 7–30–68, Cl. 324—150.

Bajars, Laimonis, to Petro-Tex Chemical Corp. Hydrocarbon dehydrogenation in the presence of oxygen, iodine and cobalt. 3,374,283, 3–19–68, Cl. 260—680.

Bajars, Laimonis, to Petro-Tex Chemical Corp. Dehydrogenation process. 3,377,403, 4–9–68, Cl. 260—680.

Bajars, Laimonis, to Petro-Tex Chemical Corp. Dehydrogenation of hydrocarbons. 3,404,193, 10–1–68, Cl. 260—680.

Bajek, Walter A., to Universal Oil Products Co. Automatic cable rewind assembly. 3,386,682, 6–4–68, Cl. 242—107.

Bajer, Francis J., and R. L. K. Carr, to Hooker Chemical Corp. Mannich base syntheals of substituted phenols. 3,394,-399, 7–23–68, Cl. 260—621.

Bajpai, Chandra K.: *See*—
Luettge, Hans J., and Bajpai. 3,384,808.

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Bajulaz, Roger, S.A.: *See*—
Bajulaz, Roger. 3,411,472.

Bak, Alex M., and R. P. Wojcik, to International Harvester Co. Paper padding and transport device. 3,413,668, 12–3–68, Cl. 11—1.

Bakalar, David: *See*—
Navon, David H., and Bakalar. 3,404,452.

Bakan, Joseph A.: *See*—
Brynko, Carl, and Bakan. 3,401,123.

Bakelite Xylonite Ltd.: *See*—
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Horrocks, James A. 3,409,651.
Horrocks, James A. 3,409,652.
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Baker, Alfred D., to Joseph Lucas (Industries) Ltd. Alternators. 3,361,915. 1–2–68, Cl. 310—68.

Baker, Alfred D., to Joseph Lucas (Industries) Ltd. Alternators. 3,378,708, 4–16–68, Cl. 310—68.

Baker, Alfred D., and F. G. Hudman, to Joseph Lucas Industries Ltd. Full wave rectifiers for three phase supply. 3,400,-307, 9–3–68, Cl. 317—233.

Baker, Alfred D., and F. G. Hudman, to Joseph Lucas (Industries) Ltd. Two direct current output three phase rectifier. 3,411,047, 11–12–68, Cl. 317—233.

Baker, Alfred V., and P. Hart, to The Dow Chemical Co. Control device. 3,393,694, 7–23–68, Cl. 137—116.5.

Baker, Allen J.: *See*—
Sturrock, William R., Baker, and McRobbie. 3,361,862.

Baker, Allister L.: *See*—
Ellis, Charles R., and Baker. 3,375,750.
Geier, George, Ellis, and Baker. 3,406,292.

Baker, Allister, and C. R. Ellis, to Keuffel & Esser Co. Gravity reference mirror supported by air bearing. 3,391,596, 7–9–68, Cl. 88—1.

Baker, Allister L., to Keuffel & Esser Co. Micro-angle generator. 3,408,146, 10–29–68, Cl. 356—140.

Baker, Allister L., W. R. Krause, W. J. Drexler, and F. I. Zener, to Keuffel & Esser Co. Roller bearing assembly. 3,377,112, 4–9–68, Cl. 308—6.

Baker, Arthur F., to Amsted Industries Inc. Railway truck with flexibly jointed and rigidly mounted transoms. 3,398,-700, 8–27–68, Cl. 105—182.

Baker, Basil O., and R. J. Wheldon, to The M-O Valve Co. Ltd. Erosion prevention in gas-filled electric discharge device. 3,414,755, 12–3–68, Cl. 313—193.

Baker, Benjamin P., deceased (by Mellon National Bank and Trust Co., executor), to Westinghouse Electric Corp. Electrical protective system. 3,378,729, 4–16–68, Cl. 317—58.

Baker Brush Co. Inc.: *See*—
Shulman, Stuart M. 3,386,119.

Baker, Buford M.: *See*—
Backus, Milo M., and Baker. 3,413,596.

Baker, Buford M., to Texas Instruments Inc. Depth controller. 3,372,666, 3–12–68, Cl. 114—235.

Baker, Buford M., to Texas Instruments Inc. Cantilever mounted hydrophone. 3,382,481, 5–7–68, Cl. 340—17.

Baker, Buford M., and J. H. Waugh, Jr., to Texas Instruments Inc. Water hammer marine seismic source. 3,376,949, 4–9–68, Cl. 181—.5.

Baker, Carl C.: *See*—
Salna, Karl, and Baker. 3,419,170.

Baker Castor Oil Co., The: *See*—
Ehrlich, Arthur, Patton, and Smith. 3,362,921.
Frank, Fred M. 3,407,160.

Baker, Chester L., and P. W. Holloway, to Philadelphia Quartz Co. Sodium metasilicate pentahydrate product and preparation. 3,377,134, 4–9–68, Cl. 23—110.

Baker, Clarence W., to Bell & Howell Co. Ion source for a mass spectrometer with specific electrode structure to accelerate and focus ions. 3,379,874, 4–23–68, Cl. 250—41.9.

Baker, Daniel H., to Ametek, Inc. Brushless electric motor circuit. 3,365,636, 1–23–68, Cl. 318—138.

Baker, Dennis, and I. E. Bryan, to Her Majesty's Postmaster General. Thermo-compression bonding of metals to semiconductor, metallic, or non-metallic surfaces. 3,383,757, 5–21–68, Cl. 29—472.9.

Baker, Dennis O.: *See*—
Baker, Owen O. and D. O. 3,392,992.

Baker, Deryck A.: *See*—
Temple, Wilfred K., and Baker. 3,411,491.

Baker, Don H., Jr.: *See*—
Gomes, John M., Baker, and Uchida. 3,373,097.
Heinen, Harold J., Baker, and Gomes. 3,375,180.

Baker, Don R.: *See*—
Soong, Stassen Y. C., Cake, and Baker. 3,399,988.

Baker, Don R., G. E. Lukes, and M. B. McClellan, to Stauffer Chemical Co. Halodithioledioxide and its production. 3,376,-314, 4–2–68, Cl. 260—327.

Baker, Don R., M. E. Brokke, and D. R. Arnekley, to Stauffer Chemical Co. Certain N-acyl-3-azabicyclo-(3.2.2)nonane compounds. 3,388,122, 6–11–68, Cl. 260—239.

Baker, Donald W.: *See*—
Taddeo, Fausto V., and Baker. 3,370,266.

Baker, Donn: *See*—
Anderson, Harold P., Baker, Davis, Hohmann, Maul, McEowen, Meise, and Weil. 3,385,935.

Baker, Dorothy H. P. Surgical sponge collector with means for counting and weighing sponges. 3,367,431, 2–6–68, Cl. 177—15.

Baker, Douglas A.: *See*—
Stevinson, Harry T., Baker, and Paynter. 3,390,846.

Baker, Dwight I., to North American Aviation, Inc. Throttling injector. 3,372,543, 3–12–68, Cl. 60—39.74.

Baker, Edgar G., to Gentex Corp. Utility buoyant vest. 3,360,813, 1–2–68. Cl. 9—333.

Baker, Edgar H.: *See*—
Moore, Louis, and Baker. 3,394,444.

Baker, Edward S., to The Boeing Co. Polyphase current control system. 3,373,290, 3–12–68, Cl. 307—133.

Baker, Edward S., to The Boeing Co. Zero power detector switch and power transfer system. 3,390,275, 6–25–68, Cl. 307—64.

Baker, Edward S., to P. H. Snider. Telephone connecting panel and connector therefor. 3,408,613, 10–29–68, Cl. 339—18.

Baker, Ellery L., to United Wire & Supply Corp. Flying saw. 3,377,900, 4–16–68. Cl. 83—311.

Baker, Ellery L., to United Wire & Supply Corp. Machine for straightening tubes and rods. 3,410,126, 11–12–68, Cl. 72—164.

Baker, Elton N., to The Firm of John D. Schneider Inc. Printing control. 3,393,618, 7–23–68, Cl. 95—1.

Baker, Eugene E., to Halliburton Co. Apparatus for use in wells. 3,376,935, 4–9–68, Cl. 166—224.

Baker, Frank S., to Sanders Associates, Inc. Omnidirectional inertial switch. 3,394,237, 7–23–68, Cl. 200—61.45.

Baker, Frederick A. E.: *See*
Lyall, Brian, and Baker. 3,384,815.
Baker, George A., to Varian Associates. Coaxial receiver coil and capacitor structure for probes of CHF gyromagnetic spectrometers. 3,402,346, 9–17–68, Cl. 324—.5.
Baker, Gerald E., to Westinghouse Electric Corp. Mounting means. 3,376,871, 4–9–68, Cl. 248—27.
Baker & Gubbins Co.: *See*—
Baker, Owen R., Gubbins, and Hentschel. 3,402,695.
Baker, Harold L., ⅓ to R. J. Smith and ⅓ to E. J. Lukas. Brackets for assembling knockdown cabinets. 3,403,641, 10–1–68, Cl. 108—152.
Baker, Harry, to American Can Co. Container seam and method of making same. 3,367,533, 2–6–68, Cl. 220—67.
Baker, Hayward R., and P. B. Leach, to United States of America, Navy. Water displacing and rust preventive compositions. 3,383,328, 5–14–68, Cl. 252—390.
Baker, Henry W., to Pilkington Bros, Ltd. Toughened sheets of glass. 3,363,936, 1–16–68, Cl. 296—84.
Baker, Henry W., to Pilkington Bros. Ltd. Method of and apparatus for toughening sheets of glass with a reserve zone. 3,396,001, 8–6–68, Cl. 65—115.
Baker, Hugh W. B., E. E. Pomfret, to The Gillette Co. Disposable single edge razor having a generally triangular head. 3,409,982, 11–12–68, Cl. 30—47.
Baker, J. E., Co., The: *See*—
Paul, Robert A., and Forchheimer. 3,397,070.
Paul, Robert A., and Shepherd. 3,397,256.
Baker, J. T., Chemical Co.: *See*—
Schramm, Charles H. 3,383,358.
Schramm, Charles H., and Schmidle. 3,415,901.
Schramm, Charles H., and Zief. 3,367,973.
Schramm, Charles H., and Zief. 3,413,377.
Baker, James A.: *See*—
James, John W., Baker, and Shrive. 3,409,615.
Baker, James A., J. W. James, and H. Polkinhorne, to Aspro-Nicholas Ltd. Dialkylaminocinnamates and dialkylbenzalmalonates in ultraviolet absorbing compositions and methods. 3,390,051, 6–25–68, Cl. 167—90.
Baker, James E.: *See*—
Allen, John W., and Baker. 3,408,779.
Baker, James H. Tie holder. 3,405,408, 10–15–68, Cl. 2—145.
Baker, James J.: *See*—
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Baker, James K., to Arvin Industries, Inc. Case construction. 3,391,765, 7–9–68, Cl. 190—49.
Baker, James L., and L. M. Andrews, to United States of America, Army. Anti-disturbance switch. 3,372,253, 3–5–68, Cl. 200—61.45.
Baker, James T., to Amsted Industries Inc. Method of casting in a shell molding. 3,404,724, 10–8–68, Cl. 164—138.
Baker, James T., to Amsted Industries Inc. Method of casting steel in a shell mold. 3,409,069, 11–5–68, Cl. 164—138.
Baker, John C., Jr., to Standard Brands Chemical Industries, Inc. Carboxylic elastomers. 3,403,136, 9–24–68, Cl. 260—79.5.
Baker, John D., Jr., to Stewart Warner Corp. Electrical tachometer sender. 3,403,276, 9–24–68, Cl. 310—156.
Baker, John F., and P. W. Turner, to Cambridge Fender & Engineering Co., Ltd. Buffers or energy absorbers. 3,406,523, 10–22–68, Cl. 61—48.
Baker, John G., to Baker Mfg. Co. Pitless well unit. 3,373,819, 3–19–68, Cl. 166—88.
Baker, Joseph W., to Monsanto Co. 2-oxo-tetrahydrofuranyl compounds. 3,413,318, 11–26–68, Cl. 260—343.6.
Baker, Joseph W., to Monsanto Co. Haloni troanilides. 3,418,345, 12–24–68, Cl. 260—404.5.
Baker, Joseph W., and I. Schumacher, to Monsanto Co. Carbamic acid esters of thiobisphenols. 3,371,109, 2–27–68, Cl. 260—471.
Baker, Joseph W., and K. L. Godfrey, to Monsanto Co. Bis carbanilates. 3,404,207, 10–1–68, Cl. 424—300.
Baker, Leonard M.: *See*—
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Baker Mfg. Co.: *See*—
Baker, John G. 3,373,819.
Baker, Marion L., to St. Louis Shipbuilding-Federal Barge, Inc. Waste heat recovery system. 3,380,439, 4–30–68, Cl. 122—7.
Baker, Nathan P., to The F. M. West Virginia Co. Method of securing a retention pin to a tooth. 3,364,575, 1–23–68, Cl. 32—15.
Baker, Nathan P. Dental drill control. 3,388,472, 6–18–68, Cl. 32—23.
Baker Oil Tools, Inc.: *See*—
Bigelow, Herbert L., and Kammerer. 3,393,742.
Chenoweth, David V. 3,361,207.
Chenoweth, David V. 3,371,717.
Chenoweth, David V. 3,381,708.
Chenoweth, David V. 3,381,749.
Crowe, Talmadge L. 3,367,279.
Crowe, Talmadge L. 3,376,826.
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Fisher, Hiram H., Jr., Myers, and Chenoweth. 3,398,796.
Leutwyler, Kurt, and Henslee. 3,398,803.
Raulins, George M. 3,361,206.
Raulins, George M. 3,367,421.
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Baker, Owen O. and D. O. Trailer construction. 3,392,992, 7–16–68, Cl. 280—423.
Baker, Owen R., R. M. Gubbins, and R. G. Hentschel, to Baker & Gubbins Co. Liquid applicator system. 3,402,695, 9–24–68, Cl. 118—7.
Baker Perkins Inc.: *See*—
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Cox, Bradley G. 3,377,019.
Cox, Bradley G., Yablonski, and Loomans. 3,380,116.
Fierstine, Burton A. 3,395,807.
Fierstine, Burton A. 3,410,480.
Irving, Henry F. 3,362,044.
Irving, Henry F. 3,393,425.
Miller, Richard W. 3,383,015.
Miller, Richard W. 3,393,260.
Skarin, Carl R. 3,362,519.
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Baker, Randolph H. Measurement of currents in liquids. 3,402,605, 9–24–68, Cl. 73—194.
Baker Research Development Service, Inc.: *See*—
Baker, William E. 3,405,520.
Schaible, John F., and Jackel. 3,388,997.
Baker, Richard S., to North American Rockwell Corp. Electromagnetic pump having an improved helical rotor. 3,413,504, 11–26–68, Cl. 310—269.
Baker, Robert A., and R. C. Doerr, to International Copper Research Association. Prereduced cupric oxide-cobaltic oxide redox catalysts. 3,398,101, 8–20–68, Cl. 252—466.
Baker, Robert C.: *See*—
Adams, James L. 3,393,922.
Dodge, John W., Darfler, and Baker. 3,385,712.
Baker, Robert S., to American Concrete Crosstie Corp. Cable cutting apparatus. 3,361,020. 1–2–68, Cl. 83—214.
Baker, Robert S., to J. L. Cone, Jr., C. W. and D. P. Cone. Rail clip. 3,366,335, 1–30–68, Cl. 238—349.
Baker, Robert S., to American Concrete Crosstie Corp. Closed path concrete forming and curing apparatus. 3,384,939, 5–28–68, Cl. 25—2.
Baker, Robert S., to American Concrete Crosstie Corp. Apparatus for removing concrete articles from pallets and inverting said articles. 3,412,439, 11–26–68, Cl. 25—1.
Baker, Roger L., to E. I. du Pont de Nemours and Co. Plastic tube heat exchanger with novel header construction. 3,363,680, 1–16–68, Cl. 165—158.
Baker, Ronald E.: *See*—
Giese, Clifford C., Jr., Baker, and Hellman. 3,405,376.
Baker, Silveus M., J. M. Morris, and R. W. Taylor, to Royal Industries, Inc. Tying apparatus. 3,369,573, 2–20–68, Cl. 140—93.6.
Baker, Silveus M., and R. W. Smiley, to Royal Industries, Inc. Load handling apparatus having retractable stabilizing arm. 3,396,858, 8–13–68, Cl. 214—38.
Baker, Stephen C., to Su-Ev, Inc. Recoil snubbing device. 3,408,062 10–29–68, Cl. 267—1.
Baker, Stephen C. Relief valve cartridge. 3,412,753, 11–26–68, Cl. 137—490.
Baker, Theodore C., to Owens-Illinois Inc. Method and apparatus for inspecting transparent articles for defects by fluorescent radiation. 3,394,263, 7–23–68, Cl. 250—223.
Baker, Theodore C., to Continental Can Co., Inc. Liquid tight container and method of forming same. 3,395,623, 8–6–68, Cl. 93—36.01.
Baker, Theodore C., B. B. Mathias, and J. R. Sager, to Owens-Illinois, Inc. Bottle inspection method and apparatus. 3,395,573, 8–6–68, Cl. 73—104.
Baker, Thomas B.: *See*—
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Baker, Thomas B., S. B. Levy, and R. F. Ottolini, to E. I. du Pont de Nemours and Co. Heat transfer apparatus having flexible plastic tubular elements arranged in a braided configuration. 3,419,069, 12–31–68, Cl. 165—158.
Baker, Thomas E., Jr.: *See*—
Carey, William M., and Baker. 3,413,631.
Baker, Thomas R.: *See*—
Hittenberger, William H., Gobalet, and Baker. 3,416,411.
Baker, Thomas R., and W. H. Hittenberger, to Kilklok Corp. Conveying device for grouping articles. 3,376,969, 4–9–68, Cl. 198—34.
Baker, Vance D.: *See*—
Webb, James E. 3,360,980.
Baker, Vern E., to Jack Strong Electric Co., Inc. Counting marker. 3,393,299, 7–16–68, Cl. 235—92.
Baker, Wilbur K., III: *See*—
Hulse, Mark M., and Baker. 3,389,387.
Baker, Willard L., to United Shoe Machinery Corp. Mixing apparatus. 3,410,531, 11–12–68, Cl. 259—4.
Baker, William E. Steam engine. 3,392,631, 7–16–68, Cl. 91—176.
Baker, William E., to Baker Research & Development Corp. Pressure seal. 3,405,520, 10–15–68, Cl. 60—23.
Baker, William E., V. R. De Stefano, and H. A. Melse, Jr., to Bell Telephone Laboratories, Inc. Camp-on circuit. 3,381,095, 4–30–68, Cl. 179—27.
Baker, William E., and C. L. Urrere, to Atlas-Pacific Engineering Co. Cherry stemming and sorting machine. 3,419,142, 12–31–68, Cl. 209—108.
Baker, William J., and J. H. Boeger, to Gardner-Denver Co. Exhaust muffler for pneumatic tool. 3,384,200, 5–21–68, Cl. 181—36.
Baker, William R., Jr., and D. A. Clutz, to Case Institute of Technology. Electrostatic voltmeter employing a swimming droplet of mercury in an electrolyte. 3,394,310, 7–23–68, Cl. 324—93.

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Tobias, Stephen A., and Bakhtar. 3,381,672.
Bakhvalov, Alexandr A.: *See*—
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Bakis, Raimo, to International Business Machines Corp. Formant locating system. 3,369,076, 2–13–68, Cl. 179—1.
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Arter, Robert L. 3,380,716.
Bakke, Hans A., R. E. De Marco, and R. M. Manning, to General Electric Co. Paper tension regulator for strip chart recorder. 3,365,142, 1–23–68, Cl. 242—75.2.
Bakker, Lubertus, and B. S. Hazel, to Midland-Ross Corp. Immiscible liquid separator. 3,407,937, 10–29–68, Cl. 210—301.
Bakker, Pieter M., and P. L. Kooijman, to Shell Oil Co. Preparation of alkyl chlorides. 3,412,161, 11–19–68, Cl. 260—663.
Baklor, Sanford M., to Maryland Cup Corp. Slender article jacket. 3,366,226, 1–30–68, Cl. 206—16.5.
Bakos, Norman M., to Plasticase, Inc. Beverage bottle container. 3,362,561, 1–9–68, Cl. 220—21.
Bakula, Robert G.: *See*—
Balogh, Roy O., and Bakula. 3,396,852.
Bakunin, Maurice I. Intra uterine contraceptive device. 3,405,711, 10–15–68, Cl. 128—130.
Balaban, Philip. Card holder. 3,374,564, 3–26–68, Cl. 40—11.
Balaban, Philip. Apparatus for loading lint removers and the like with lint removing tape. 3,383,063, 5–14–68, Cl. 242—56.
Balaguer Golobart. Weft thread aspirating and cutting device for shuttleless looms. 3,376,903, 4–9–68, Cl. 139—302.
Balaguer, Golobart R. Weft thread inserting device in weaving machines. 3,384,126, 5–21–68, Cl. 139—122.
Balaguer, Rodolfo R., to Patent Holding Corp. Primary battery. 3,364,073, 1–16–68, Cl. 136—107.
Balaguer, Rodolfo R., to Patent Holdings Corp. Dry cell battery of flat configuration. 3,370,298, 2–20–68, Cl. 136—100.
Balaguer, Rodolfo R., to Battery Corp. of America. Method of forming a battery cup. 3,405,012, 10–8–68, Cl. 136—122.
Balaguer, Rodolfo R., to Patent Holding Corp. Method of forming a battery cup. 3,405,013, 10–8–68, Cl. 136—122.
Balalis, Christodoulis. Miniature disposable camera. 3,412,662, 11–26–68, Cl. 95—11.
Balamundi Nederland N. V.: *See*—
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Balamuth, Lewis: *See*—
Kleesattel, Claus, Kuris, and Balamuth. 3,419,776.
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Balamuth, Lewis, to Cavitron Ultrasonics, Inc. Method and apparatus for high frequency joining or sealing of thermosoftening materials. 3,376,179, 4–2–68, Cl. 156—73.
Balamuth, Lewis, to Cavitron Corp. Ultrasonic motor system. 3,396,892, 8–13–68, Cl. 228—1.
Balamuth, Lewis, and C. Kleesattel, to Cavitron Ultrasonics Inc. Ultrasonic facsimile system. 3,389,218, 6–18–68, Cl. 178—6.6.
Balamuth, Lewis, and A. Kuris, to Cavitron Corp. Ultrasonic heating apparatus. 3,392,721, 7–16–68, Cl. 126—247.
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Balashkand, Mikhail I., G. S. Evdokimov, B. L. Kaplan, S. A. Lovlya, L. N. Solodilov, and O. L. Chen. Acoustic wave producing device. 3,416,621, 12–17–68, Cl. 181—.5.
Balassa, Imre, to Zinser-Textilmaschinen Gesellschaft mit beschrankter Haftung. Method and apparatus for the production of crimped yarns. 3,395,524, 8–6–68, Cl. 57—34.
Balassa, Leslie L. Wound-healing cartilage powder. 3,400,199, 9–3–68, Cl. 424—95.
Balassa, Leslie L. Mixing device. 3,410,535, 11–12–68, Cl 259—95.
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Balde, John W., to Western Electric Co. Inc. Integrated circuit containing multilayer tantalum compounds. 3,406,043, 10–15–68, Cl. 117—212.
Baldi, Alfonso L., and W. E. Nice, to Alloy Surfaces Co. Chromizing and priming employing chromium and anhydrous magnesium chloride. 3,375,128, 3–26–68, Cl. 117—107.2.
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Baldoni, Andrew A., and S. Kimura, to Morton International, Inc. Stabilized 1-phenyl-3-pyrazolidone photographic developer system. 3,369,898, 2–20–68, Cl. 96—66.1.
Baldoni, Giovanni E. Reinforced guitar neck. 3,416,399, 12–17–68, Cl. 84—293.
Baldridge, Bruce H.: *See*—
Reut, Richard, and Baldridge. 3,377,623.
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Baldus, Wolfgang, to Gesellschaft fur Linde Eismaschinen Aktiengesellschaft. Purification of gases. 3,398,506, 8–27–68, Cl. 55—23.
Baldwin, Alan L.: *See*—
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Baldwin, Francis P., and A. Malatesta, to Esso Research and Engineering Co. Moisture curable one component mastic or castable rubber formed by the reaction between a halogenated butyl rubber and a silane containing a functional group and hydrolyzable substituents. 3,366,612, 1–30–68, Cl. 260—85.3.
Baldwin, George D., and J. Spiteri, to Truck-Lite Co., Inc. Low voltage converter for protective filament heating system. 3,382,404, 5–7–68, Cl. 315—77.
Baldwin, Howard J. Trailer steps. 3,370,865, 2–27–68, Cl. 280—166.
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Hoffman, Robert K., Baldwin, MacFarlane, and Vander Horst. 3,418,789.
Baldwin, John J.: *See*—
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Baldwin, John L., Jr., D. E. Reed, and R. E. Walker, to United States of America, Army. Tension controlled winding apparatus. 3,380,681, 4–30–68, Cl. 242—55.12.
Baldwin, John L. E., to Rank-Bush Murphy Ltd. Magnetic playback head switching apparatus. 3,401,231, 9–10–68, Cl. 178—6.6.
Baldwin, John L. E., to Rank-Bush Murphy Ltd. Electrical signal amplifier. 3,416,088, 12–10–68, Cl. 330—3.
Baldwin, John L. E., and P. W. Blaxtan, to Rank-Bush Murphy Ltd. Abrasion resistant magnetic head. 3,370,282, 2–20–68, Cl. 340—174.1.
Baldwin, John L. E., and D. J. Parkyn, to Rank-Bush Murphy Ltd. Video D.C. insertion circuit. 3,375,326, 3–26–68, Cl. 178—7.1.
Baldwin, John L. E., and J. D. Millward, to Rank-Bush Murphy Ltd. Television field-recognition apparatus. 3,382,320, 5–7–68, Cl. 178—69.5.
Baldwin, John L. E., and J. D. Millward, to Rank-Bush Murphy, Ltd. Headwheel speed control system for reproducing magnetically recorded television signals. 3,398,235, 8–20–68, Cl. 178—6.6.
Baldwin, John L. E., and J. D. Millward, to Rank-Bush Murphy Ltd. Television frame synchronizing apparatus. 3,413,414, 11–26–68, Cl. 178—69.5.
Baldwin, Leoniel C., to Howmet Corp. Formation of plastic dental appliances. 3,404,056, 10–1–68, Cl. 156—306.
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Baldwin, Marion, to Albert Volgt Industries, Inc. Knockdown rack. 3,391,797, 7–9–68, Cl. 211—177.

Baldwin-Montrose Chemical Co., Inc.: *See*—
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Birsten, Oscar G., and Rosin. 3,366,670.

Baldwin, Ralph E., to General Motors Corp. Furnace and burner for testing temperature probes. 3,397,569, 8–20–68, Cl. 73—1.

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Baldwin, Richard E., and B. P. Marples, to English Numbering Machines Ltd. Printing arrangements. 3,400,659, 9–10–68, Cl. 101—274.

Baldwin, Richard R., and L. G. Whitten, Jr. Alignment interferometer. 3,419,898, 12–31–68, Cl. 356—110.

Baldwin, Rolland G., G. J. Erickson, and S. J. Korzenowski, to Honeywell Inc. Control apparatus. 3,362,231, 1–9–68, Cl. 74—5.

Baldwin, Samuel L., to General Electric Co. Luminaire. 3,387,866, 6–11–68, Cl. 285—184.

Baldwin, Samuel L., and J. S. Franklin, to General Electric Co. Hinge device. 3,387,737, 6–11–68, Cl. 220—31.

Baldwin, Stanley H.: *See*—
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Baldwin, William E., to General Electric Co. Apparatus for altering the configuration of electrical coils of inductive devices. 3,407,468, 10–29–68, Cl. 29—205.

Baldwin, William E., to General Electric Co. Method for altering the configuration of electrical coils of inductive devices. 3,407,486, 10–29–68, Cl. 29—596.

Baldwin, William K., Sr. Wood-type golf club with detachable face plate. 3,368,812, 2–13–68, Cl. 273—80.

Baldwin, William W., C. D. McCoy, M. Bodin, and L. Zinn. Pallet apparatus for automatically parking vehicles. 3,390,791, 7–2–68, Cl. 214—38.

Baldyga, Joseph W., to Diamond Die & Mold Co. Method and apparatus for crimping electrical connectors. 3,374,657, 3–26–68, Cl. 72—413.

Bale, William D., and A. A. Komander, to Imperial Chemical Industries Ltd. Process for the manufacture of non-dusty seed-like aggregates. 3,362,913, 1–9–68, Cl. 252—182.

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Balet, Joseph W. Stud finding device. 3,363,208, 1–9–68, Cl. 335—285.

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Balkin, Mark, D. G. Turner, and K. Irving, to George Angus & Co., Ltd. Shaft seals. 3,396,978, 8–13–68, Cl. 277—153.

Balkin, Mark, D. G. Turner, and K. Irving, to George Angus & Co., Ltd. Shaft seals. 3,396,979, 8–13–68, Cl. 277—153.

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Ball, David M., deceased (by R. A. Ball, administratrix), and R. I. Disman, to Sylvania Electric Products Inc. Receiver system including spurious signal detector. 3,396,395, 8–6–68, Cl. 343—113.

Ball, Donald, and R. Gurney, to ILG Industries Inc. Ventilating system and device. 3,415,178, 12–10–68, Cl. 98—33.

Ball, Gaines L., and J. C. Caskins, to Batson-Cook Co. Torque reaction constant tension winder. 3,360,837, 1–2–68, Cl. 28—36.

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Ball, George L., III, and I. O. Salyer, to Monsanto Research Corp. Vibration damping composition and laminated construction. 3,399,104, 8–27–68, Cl. 161—68.

Ball, Francis E., and J. W. Martin, to National Research Development Corp. Presses for compacting electrically conductive compositions. 3,360,017, 5–28–68, Cl. 318—18.

Ball, Hersey H. Float type liquid depth measuring device. 3,381,534, 5–7–68, Cl. 73—315.

Ball, James V., to P. R. Mallory & Co., Inc. Secondary cell reversal protection device. 3,369,164, 2–13–68, Cl. 320—6.

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Ball, Lawrence E., to The Standard Oil Co. Process for preparing biaxially oriented acrylonitrile polymer film. 3,418,406, 12–24–68, Cl. 264—206.

Ball, Murray. Insect repelling vibratory screen. 3,368,304, 2–13–68, Cl. 49—58.

Ball, Newton E., to Niff Instrument Corp. Temperature regulating circuit for an ink reservoir. 3,369,107, 2–13–68, Cl. 219—499.

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Ball, Regina A.: *See*—
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Ball, Thomas Z., to Atlas Chemical Industries, Inc. Sea water destructible booster assembly. 3,415,188, 12–10–68, Cl. 102—24.

Ball, Werner, and E. Hahn, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Reactive azo dyes derived from 3-(4-aminophenyl)-5-chloro-1,2,4-thiodiazole as the diazo component. 3,398,134, 8–20–68, Cl. 260—157.

Ball, William J., J. L. Barclay, E. J. Gasson, D. G. Stewart, J. Bohemen, F. C. Newman, and B. Wood, to The Distillers Co. Ltd. Production of unsaturated aliphatic aldehydes. 3,408,401, 10–29–68, Cl. 260—604.

Ballantine, John McK.: *See*—
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Sichler, Joseph E. 3,412,747.

Ballantyne, David B., to General Motors Corp. Sunshade assembly. 3,365,232, 1–23–68, Cl. 296—97.

Ballantyne, David B., to General Motors Corp. Integral hinge and hinge bias structure. 3,388,420, 6–18–68, Cl. 16—150.

Ballard, Bruce, and R. Pizer, to Elape, Inc. Connecting matrix structure. 3,396,358, 8–6–68, Cl. 339—18.

Ballard, Charles M. Hinged roof structure. 3,404,496, 10–8–68, Cl. 52—64.

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Ballard, Francis J., Jr., to Brown & Williamson Tobacco Corp. Pneumatic feed system for cigarette-making machines. 3,386,773, 6–4–68, Cl. 302—28.

Ballard, John H., and J. E. Hines, Jr., to Union Oil Co. Fluid inlet distributor. 3,363,843, 1–16–68, Cl. 239—504.

Ballard, John Le Roy, and B. J. Case, to E. I. du Pont de Nemours and Co. Roll formation characteristics of continuous film. 3,404,205, 10–1–68, Cl. 264—289.

Ballard, John S., K. D. Garnjost, R. Z. Hague, W. C. Moog, Jr., and C. C. Treff, to Moog Inc. Numerical control positioning apparatus. 3,405,600, 10–15–68, Cl. 90—21.5.

Ballard, Kermit H., to E. I. du Pont de Nemours and Co. Noble metal paste compositions comprising novel liquid carriers. 3,407,081, 10–22–68, Cl. 106—1.

Ballard, Louis M., and R. A. Nielsen, to Trowel Fast, Inc. Plaster delivery means for controllable feed trowel. 3,403,960, 10–1–68, Cl. 401—188.

Ballard, Robert L., to H. K. Porter Co., Inc. Hacksaw having a reversible rear post to accommodate different length blades. 3,367,378, 2–6–68, Cl. 145—34.

Ballard, Robert T. Collapsible and expansible rotatable tie rack. 3,416,673, 12–17–68, Cl. 211—115.

Ballard, Wade E., to Menardi & Co. Baghouse apparatus. 3,396,516, 8–13–68, Cl. 55—302.

Ballard, Wade E., to Menardi & Co. Baghouse apparatus. 3,401,505 9–17–68, Cl. 55—341.

Ballard, Wesley D., 50% to H. V. Gonzales. Junked metal compressing smasher. 3,413,914, 12–3–68, Cl. 100—100.

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Ballas, Max, and M. R. Painter, to Ballas Egg Products Corp. Apparatus and process for pasteurizing egg products. 3,404,008, 10–1–68, Cl. 99—161.

Ballass, John T., C. W. Perkins, and B. J. Freedman, to General Dynamics Corp. ARC welding method and coated electrode. 3,377,461, 4–9–68, Cl. 219—130.

Ballbe, Mariano, to Magin Desveus Duran. Weft cutter for a loom with a stationary weft supply. 3,384,127, 5–21–68, Cl. 139—122.

Ballbe, Mariano, to Magin Desveus Duran. Weft stop motion for looms. 3,396,757, 8–13–68, Cl. 139—370.

Balle, Walter, and P. Musch, to Firma Leonh. Herbert, Maschinenfabrik. Methods for the vulcanizing of preformed tires. 3,396,221, 8–6–68, Cl. 264—315.

Ballenger, Robert J., and W. G. Ballenger, to Central Specialties Co. Dolley. 3,406,985, 10–22–68, Cl. 280—414.
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Ballenger, Robert J., and W. G. 3,406,985.
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Ballentine, James B., and L. W. Crovatt, Jr., to Monsanto Co. Aryl phosphonate modified polycarbonamides. 3,365,427, 1–23–68, Cl. 260—78.
Ballentine, John W., L. A. Woodson, and W. S. Shamban, to W. S. Shamban & Co. Pump. 3,402,673, 9–24–68, Cl. 103—149.
Baller, Albert H. Article dispenser with agitator means. 3,412,896, 11–26–68, Cl. 221—200.
Baller, Maurice H., to United States of America, Navy. Missile launch simulator. 3,386,188, 6–4–68, Cl. 35—25.
Ballestra, Mario. Apparatus for effecting continuous exothermic reaction between at least two fluid reagents. 3,395,990, 8–6–68, Cl. 23—284.
Ballestra, Mario. Column reactor with series reaction chambers. 3,409,408, 11–5–68, Cl. 23—283.
Balliano, Giuseppino. Hand-operated posthole borer for posts, saplings, vines and similar plants, provided with a screw, and with a cutting edge. 3,401,760, 9–17–68, Cl. 175—308.
Balliet, Karl E., to Rubatex Corp. Diving suit. 3,404,406, 10–8–68, Cl. 2—2.1.
Balligand, Emile, to Societe Anonyme Societer. Apparatus for removing leaves from beets. 3,365,868, 1–30–68, Cl. 56—121.43.
Ballin, Gene. Powder dispenser. 3,390,822, 7–2–68, Cl. 222—355.
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Carawan, Clarence P. 3,370,485.
Ballington, J. W., Jr.: *See*—
Carawan, Clarence P. 3,370,485.
Ballman, Albert A., J. C. King, and R. A. Laudise, to Bell Telephone Laboratories, Inc. Synthetic quartz growth using lithium ions in the nutrient solution. 3,394,081, 7–23–68, Cl. 252—62.9.
Ballman, Gray C., to Chargematic, Inc. Regulated battery chargers. 3,389,324, 6–18–68, Cl. 320—25.
Ballmann, Vincent H. Detachable extension for containers of prepared paints. 3,366,272, 1–30–68, Cl. 220—90.
Ballou, B. A., & Co., Inc.: *See*—
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Ballreich, Kurt, A. Ketterl, and W. Spranger, to Dynamit Nobel Aktiengesellschaft. Friction ignitor. 3,416,450, 12–17–68, Cl. 102—70.
Ballu, Vincent P. M., to Tecnoma (formerly Societe pour la Diffusion de Techniques Nouvelles et de Machinisme Agricole. Air-blast sprayers. 3,385,521, 5–28–68, Cl. 239—77.
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Balogh, John, to Deerpark Machine Co. Corona treating apparatus having an electrode with an adjustable width. 3,397,136, 8–13–68, Cl. 204—312.
Balogh, Lorant, V. Denk, E. Klinkhardt, and E. Sanger, to Firma Aviatest G.m.b.H. Method of producing hypersonic fluid flow. 3,398,507, 8–27–68, Cl. 55—55.
Balogh, Roy O., and R. G. Bakula, to McCabe-Powers Body Co. Derrick units. 3,396,852, 8–13–68, Cl. 212—35.
Balogh, Stephen, to Parker-Hannifin Corp. Spring loaded dryer. 3,407,936, 10–29–68, Cl. 210—282.
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Price, Ralph E., and Balsiger. 3,407,541.
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Baltakmens, Gotlibs, and J. P. Tourish, to Allied Chemical Corp. Electrolytic process for preparing stannous fluoride. 3,390,064, 6–25–68, Cl. 204—94.
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Balthazor, Bernard E., to Buddy L. Corp. Toy backhoe. 3,393,469, 7–23–68, Cl. 46—40.
Balthis, Joseph H., Jr., to E. I. du Pont de Nemours and Co. Chemical products and processes. 3,411,890, 11–19–68, Cl. 23—358.
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Baltus, George T., and R. Warmuz, to Bell Aerospace Corp. Lead signal generation apparatus for use in control systems. 3,398,646, 8–27–68, Cl. 91—217.
Baltus, George T., and R. Warmuz, to Bell Aerospace Corp. Servo control system utilizing load pressure feedback apparatus. 3,398,647, 8–27–68, Cl. 91—384.
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Balz, Gunther W., to Roto-Finish Co. Method for removing finishing composition entrapped in finished parts. 3,363,368, 1–16–68, Cl. 51—314.
Balz, Gunther W., to Roto-Finsh Co. Finishing apparatus having horizontal curvilinear chamber. 3,400,495, 9–10–68, Cl. 51—163.
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Hedin, Robert A., and Balzano. 3,392,559.
Balzer, Claude P., E. M. Corman, and A. A. Reiff, to Balco, Inc. Expansion joint cover. 3,371,456, 3–5–68, Cl. 52—278.
Balzer & Droll KG: *See*—
Muskulius, Willi. 3,380,311.
Reichert, Ernst and Muskulius. 3,412,947.
Balzer, Norbert R., A. E. Hala, and G. C. Nebesar, to Park-Ohio Industries, Inc. Apparatus for hardening spaced bearing surfaces on a shaft-like workpiece. 3,383,100, 5–14–68, Cl. 266—4.
Balzer, Rudolf, and R. J. Stensrud. Clothes hanger. 3,401,855, 9–17–68, Cl. 223—94.
Balzers Patent- und Lizens-Anstalt: *See*—
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Bambace, Natale J., C. R. Kenny, and A. G. Oesterle, to General Precision Systems Inc. Line voltage stabilizer having parallel dynamic and stable impedance paths. 3,408,559, 10–29–68, Cl. 323—22.
Bambach, Fritz J., to L. Heydenreich. Machine for cutting plastic chunks into granulate. 3,378,210, 4–16–68, Cl. 241—160.
Bamberg, Peter, B. Af Ekstrom, and B. O. H. Sjoberg, to Aktiebolaget Astra. Substituted 6-aminopenicillanic acids and salts. 3,373,156, 3–12–68, Cl. 260—239.1.
Bamberg, Peter, B. Af Ekstrom, and B. O. H. Sjoberg, to Aktiebolaget Astra. Esters of 6-aminopenicillanic acid. 3,399,207, 8–27–68, Cl. 260—306.7.
Bamberger, Eric N., to General Electric Co. Bearing and method of making. 3,369,942, 2–20–68, Cl. 148—11.5.
Bambury, Ronald E., K. K. Wyckoff, and D. M. Tennent, to Richardson-Merrell Inc. Trifluoromethyl diones. 3,405,163, 10–8–68, Cl. 260—469.
Bammesberger, Karl: *See*—
Winkler, Alfred, and Bammesberger. 3,415,599.
Winkler, Alfred, Bammesberger, and Fischer. 3,384,863.
Winkler, Alfred, Bammesberger, Krobel, and Wilsch. 3,399,842.
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Ban, Thomas E., to McDowell-Wellman Engineering Co. Liquid trough seal. 3,367,644, 2–6–68, Cl. 263—28.
Ban, Thomas E., to McDowell-Wellman Engineering Co. Heat shields for a traveling grate machine. 3,384,355, 5–21–68, Cl. 263—28.
Ban, Thomas E., and C. J. Nelson, to McDowell-Wellman Engineering Co. Lightweight aggregate from fly ash pellets. 3,374,101, 3–19–68, Cl. 106—40.
Banas, Conrad M., C. O. Brown, and D. E. Powers, to United Aircraft Corp. Electromagnetic current control for a hollow cathode. 3,377,506, 4–9–68, Cl. 315—107.
Banas, Conrad M., T. L. Churchill, and D. E. Powers, to United Aircraft Corp. Vacuum pressure measurement apparatus utilizing hollow cathode discharge. 3,399,341, 8–27–68, Cl. 324—33.
Banas, Henry C., to McDonnell Douglas Corp. Latch assembly. 3,397,432, 8–20–68, Cl. 24—201.
Banasiewicz, Henryk, and K. P. F. Terrill, to Joseph Lucas (Industries) Ltd. Input stage for A.C. amplifiers. 3,373,372, 3–12–68, Cl. 330—51.
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Bancroft, Charles F., to Hughes Aircraft Co. Phase comparator circuit. 3,418,496, 12–24–68, Cl. 307—232.
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Paquette, Elmer G., and Holinbeck. 3,362,150.
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Trifunovic, Alexander L., and Zeis. 3,417,447.

Bancroft, Lewis C., and W. A. Cook, to E. I. du Pont de Nemours and Co. Apparatus for perforating and bonding moving sheets of material by electrical discharges. 3,385,951, 5–28–68, Cl. 219—384.

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Bandura, James, G. J. Gendron, L. J. Phares, and I. W. Henderson, to Raymond International Inc. Spiral tube forming and welding apparatus. 3,383,488, 5–14–68, Cl. 219—62.

Bandy, Charles G., J. C. Krepak, J. R. Parker, and J. B. Parker, to Parkan, Inc. Preformand deformable plastic. 3,369,817, 2–20–68, Cl. 277—11.

Bane, John G. Slope compensator instruments. 3,408,741, 11–5–68, Cl. 33—71.

Banerji, Satyabrata: *See*—
Kundu, Panchanan, and Banerji. 3,393,306.

Banes, Fred W.: *See*—
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Baney, Ronald H., to Dow Corning Corp. Heat-stabilized siloxane elastomers. 3,377,312, 4–9–68, Cl. 260—37.

Banfalvi, Stephen S., and H. Hargreaves, to Computing Devices of Canada Ltd. Apparatus for generating a telegraph signal. 3,361,875, 1–2–68, Cl. 178—17.

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Bang, Carlo A. M., to Seitchi Inouye. Developing and application methods of ceramic coating. 3,399,078, 8–27–68, Cl. 117—129.

Bang, Mogens W., to Stackpole Carbon Co. Straight potentiometer with linear motion contact. 3,362,004, 1–2–68, Cl. 338—183.

Bang, Mogens W., to Stackpole Carbon Co. Two-piece potentiometer. 3,397,374, 8–13–68, Cl. 338—162.

Bang, Mogens W., to Stackpole Carbon Co. Snap action slide switch. 3,413,431, 11–26–68, Cl. 200—172.

Bange, Donald A., and R. M. Sternberg, to National Cash Register Co. Record media handling apparatus. 3,375,962, 4–2–68, Cl. 226—176.

Bange, Glenn R., and H. F. Young, to Ritter Pfaudler Corp. Method for making joined glass lined pipes. 3,388,447, 6–18–68, Cl. 29—157.

Bangerter, Kenneth R., to Ingersoll-Rand Co. Air tool speed control. 3,384,343, 5–21–68, Cl. 253—2.

Bangerter, Kenneth R., O. M. Ulbing, and J. P. Krouse, to Ingersoll-Rand Co. Overload release coil clutch. 3,370,680, 2–27–68, Cl. 192—56.

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Banks, Bradford H., ½ to A. C. Litteer. Mobile mixer and paver. 3,396,644, 8–13–68, Cl. 94—40.

Banks, David E., to United Shoe Machinery Corp. Controls for cutting presses. 3,402,626, 9–24–68, Cl. 83—57.

Banks, David E., D. F. Herdeg, R. E. Karcher, Jr., A. A. Khambaty, and W. B. Mercaldi, to United Shoe Machinery Corp. Controls for cutting presses. 3,389,628, 6–25–68, Cl. 83—62.

Banks, Donald S. Electric motor control system including a bank of batteries for series parallel operation. 3,387,194, 6–4–68, Cl. 318—139.

Banks, Duane G. Photographic method and apparatus. 3,381,599, 5–7–68, Cl. 95—89.

Banks, Frank H., and D. W. Patterson, to Radio Corp. of America. Voltage regulator including isolation between input and output. 3,388,309, 6–11–68, Cl. 321—2.

Banks, Harry R., G. R. Sorenson, and H. J. and J. G. Walsh, to Bell Telephone Laboratories, Inc. Switching link. 3,377,434, 4–9–68, Cl. 179—27.

Banks, Howard E., C. A. Hartman, and R. S. Hallstein, to Rexall Drug and Chemical Co. Out-of-roundness and diameter gage. 3,371,419, 3–5–68, Cl. 33—174.

Banks, Robert L., to Phillip Petroleum Co. Selective polymerization of tertiary monoolefins. 3,405,191, 10–8–68, Cl. 260—677.

Banks, William: *See*—
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Banks, William B., to Automation Products, Inc. Mass presence sensing apparatus. 3,285,104, 5–28–68, Cl. 73—67.2.

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Banks, William P., to Continental Oil Co. Corrosion inhibitor for phosphoric acid. 3,414,376, 12–3–68, Cl. 23—165.

Banks, William P., R. L. Every, and N. L. Conger, to Continental Oil Co. Method and apparatus for automatically regulating the passivation potential of metals. 3,371,023, 2–27–68, Cl. 204—147.

Banks, William P., and M. Hutchison, to Continental Oil Co. Apparatus for minimizing corrosion of metals. 3,375,183, 3–26–68, Cl. 204—196.

Banks, William P., and M. Hutchison, to Continental Oil Co. Anodic passivation using stainless steel reference electrode. 3,378,472, 4–16–68, Cl. 204—147.

Banks, William P., N. L. Conger, and C. E. Locke, to Continental Oil Co. Method and apparatus for automatically controlling corrosion of process vessels. 3,379,629, 4–23–68, Cl. 204—147.

Banks, William P., E. C. French, and N. L. Conger, to Continental Oil Co. Method and apparatus for corrosion protection. 3,409,526, 11–5–68, Cl. 204—147.

Bankston, Dale M., to Pan American Petroleum Corp. Film injector. 3,414,004, 12–3–68, Cl. 137—237.

Bankston, Weldon S., Jr., to Hi-Shear Corp. Ordnance control circuit. 3,409,804, 11–5–68, Cl. 317—80.

Banner, John G., and N. A. Murphy, to Pilkington Bros. Ltd. Method of and apparatus for the manufacture of flat glass on a molten metal bath. 3,404,972, 10–8–68, Cl. 65—65.

Banner, Joseph: *See*—
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Banner, Joseph, to Anjac Mfg. Co. Adjustable door roller construction. 3,386,208, 6–4–68, Cl. 49—420.

Banner, Joseph P. Plastic laminating apparatus. 3,379,122, 4–23–68, Cl. 100—93.

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Wilson, James D. 3,398,840.

Banning, Thomas A., Jr.: *See*—
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Banning, Thomas A., Jr. Subscription or pay television, and the like. 3,365,542, 1–23–68, Cl. 178—5.2.

Banning, Thomas A., Jr. Subscription television system having raster distortion. 3,379,825, 4–23–68, Cl. 178—5.1.

Banning, Thomas A., Jr. Synchronizing and phasing broad cross-scan tape recordings. 3,383,462, 5–14–68, Cl. 178—6.6.

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Argoudelis, Alexander D., Bannister, Hoeksema, Kagan, and Magerlein. 3,380,992.

Bannister, Clyde E. Drilling system. 3,381,766, 5–7–68, Cl. 175—106.

Banno, Hisao, to NGK Spark Plug Co., Ltd. Piezoelectric and electrostrictive ceramic articles of lead zirconate titanate containing manganese and tungsten oxides. 3,372,121, 3–5–68, Cl. 252—62.9.

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Banse, George, to National Mfg. Co. Sliding door hardware. 3,371,372, 3–5–68, Cl. 16—105.

Banse, George, to National Mfg. Co. Fence. 3,395,489, 8–6–68, Cl. 49—381

Banse, George, to National Mfg. Co. Latch assembly for closure. 3,397,905, 8–20–68, Cl. 292—5.

Bansho, Kiyoshi, to Shigeru Kakubari. Electronic timekeeper. 3,407,344, 10–22–68, Cl. 318—130.

Banta, Andrew R., to Ingersoll-Rand Co. Method and article for protecting condenser tubes. 3,400,755, 9–10–68, Cl. 165—1.

Banthin, Clifford R., and R. D. Semple, to Avco Corp. Gas turbine blade construction. 3,370,829, 2–27–68, Cl. 253—39.15.

Bantjes, Adrian, to E. I. du Pont de Nemours and Co. Sulfonated caprolactones and polymerization with 2,2-dialkyl-3-propiolactones. 3,418,290, 12–24–68, Cl. 260—78.3.

Banush, Russell S., and D. P. Hagerty, to Allied Chemical Corp. Dissolution of metal with acidified hydrogen peroxide solutions. 3,407,141, 10–2–68, Cl. 252—79.4.

Banyai, John N. Lathe attachment for powering a hand hacksaw. 3,393,596, 7–23–68, Cl. 83—647.

Barabas, Eugene S., and J. Manson, to Air Reduction Co., Inc. Polymerization of 3,4-dihydro-2H-pyran-2-carboxaldehyde. 3,408,330, 10–29–68, Cl. 260—67.

Barach, Joseph L.: *See*—
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Barainsky, Rudolf, to Firma Dyna-Plastik-Werk G.m.b.H. Method of and apparatus for extruding high-viscous thermoplastic plastics materials. 3,400,428, 9–10–68, Cl. 18—12.

Barakat, Diawar, and H. Keller, to The General Trustee Co., Inc. Method of producing silicon and electrolytic cell therefor. 3,405,043, 10–8–68, Cl. 204—60.

Baram, Martin. Self-cleaning centrifugal separator. 3,393,863, 7–23–68, Cl. 233—20.

Baran, John S., to G. D. Searle & Co. 17-oxygenated-16-oxaestr-4, en-3-ones and d-homo compounds corresponding. 3,362,964, 1–9–68, Cl. 260—343.2.

Baran, John S., to G. D. Searle & Co. (Optionally 17-alkylated) 11β,13β-dialkyl-gona-1,3,5(10)-triene-3,17β - diols, ethers and esters thereof. 3,377,365, 4–9–68, Cl. 260—397.5.

Baran, John S., to G. D. Searle & Co. 17α-alkynyl-11,13β-dialkylgon-5(10)-en-3-ones and esters thereof. 3,377,366, 4–9–68, Cl. 260—397.45.

Baran, John S., to G. D. Searle & Co. 17-hydroxy-17α-oxa-D-homoandrost-4-en-3-one,Δ^1 and 19-nor derivatives corresponding ethers thereof and intermediates thereto. 3,378,570, 4–16–68, Cl. 260—345.2.

Baran, Joseph G., to Acoustics Development Corp. Booth with cantilever-mounted spring-back seat. 3,419,305, 12–31–68, Cl. 297—157.

Baran, Ronald J.: *See*—
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Baranauckas, Charles F., and I. Gordon, to Hooker Chemical Corp. Pentaerythritol phosphites aa flame-retardants in foams and elastomers. 3,412,051, 11–19–68, Cl. 260—2.5.

Baranne, Daniel. Stoppers for receptacles having screw-threaded necks. 3,372,833, 3–12–68, Cl. 220—39.

Barassi, Carlo and G. Cappa, to Pirelli S.p.A. Removable tread tire for icy ground. 3,381,734, 5–7–68, Cl. 152—176.

Barany, Ernst H., and J. F. Miquel. 1,1-bis(p-OH-phenyl)-2,2-disubstituted ethylenes. 3,406,209, 10–15–68, Cl. 260—619.

Barattini, Cesare, P. Bortolini, and A. Scarfi, to Montecatini Edison S.p.A. Process and apparatus for harvesting crystals. 3,389,974, 6–25–68, Cl. 23—295.

Baravalle, Thomas R., to Gerdau Chemical Corp. Halogenated complexes of quaternary ammonium phenates. 3,393,194, 7–16–68, Cl. 260—247.7.

Baravalle, Thomas R., to Gerdau Chemical Corp. Detergent germicidal compositions. 3,408,298, 10–29–68, Cl. 252—107.

Barbasso, Salvatore, Jr.: *See*—
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Barbasso, Salvatore, Jr., to North American Philips Co., Inc. Transducer for use with variable frequency magnetrons. 3,365,609, 1–23–68, Cl. 315—39.55.

Barbe, Jacques, and A. Thalmann, to Concast AG. Apparatus for guiding a strand in a continuous casting machine. 3,366,162, 1–30–68, Cl. 164—282.

Barbee, Gail G.: *See*—
Poker, John M., Barbee, Lawrence, and Orland. 3,388,928.

Barbee, Walter M. Support for roll material. 3,370,805, 2–27–68, Cl. 242—55.42.

Barben, Ian K., and D. Eckersley, to Imperial Chemical Industries Ltd. Water-soluble reactive anthraquinone dyestuffs, their preparation and use. 3,397,207, 8–13–68, Cl. 260—249.

Barben, Ian K., and C. V. Stead, to Imperial Chemical Industries Ltd. Water-soluble reactive disazo triazine containing dyestuffs. 3,398,133, 8–20–68, Cl. 260—153.

Barber, Alan and W. A. Shuttering means and apparatus for the casting of underwater structures. 3,363,873, 1–16–68, Cl. 249—1.

Barber, Alfred W. Voltage responsive light source for controlling variable frequency R-C oscillators. 3,378,788, 4–16–68, Cl. 331—66.

Barber, Alfred W., to Forbro Design Corp. Electrical coil with a top changing means. 3,399,364, 8–27–68, Cl. 336—107.

Barber, Alfred W. Control of photocell illumination by shutter having programmed movement. 3,407,192, 10–22–68, Cl. 250—229.

Barber, Alfred W. Electronic symbols combining functional capabilities with symbolic graphic representation. 3,416,240, 12–17–68, Cl. 35—19.

Barber, Anthony C., and R. T. Bryant, to Imperial Metal Industries (Kynoch) Ltd. Heat treatment of niobium alloys. 3,365,513, 1–30–68, Cl. 148—2.

Barber, Antony D., and M. G. Adamson, to Holman Bros. Ltd. Silencing means for percussive pneumatic tools. 3,365,022, 1–23–68, Cl. 181—36.

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Livingston, Richard D. 3,368,766.
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Barber, Curtis C.: *See*—
Critchfield, Frank E. and J., and Barber. 3,385,806.

Barber, Donald B., P. L. Everett, D. L. Mihelich, and I. Nou. The Barber-Webb Co. Electrolytic cell with cell linear. 3,409,536, 11–5–68, Cl. 204—275.

Barber, Edgar A., to Newaygo Engineering Co. Pneumatic handling system for particulate material. 3,366,277, 1–30–68, Cl. 222—70.

Barber, Edward G.: *See*—
Roper, Alec N., and Barber. 3,398,105.

Barber, Franklin D., to Standard Car Truck Co. Cushioned lateral motion axle adaptor. 3,380,400, 4–30–68, Cl. 105—218.

Barber, Franklin D., to Standard Car Truck Co. Railway car truck bolster dampener. 3,408,955, 11–5–68, Cl. 105—197.

Barber-Greene Co.: *See*—
Allen, Frank M. 3,396,915.
Smith, Fred T. 3,381,803.

Barber, Harold S. Machines for cleaning sand beaches. 3,362,480, 1–9–68, Cl. 171—89.

Barber, James R. and J. Fertilizer storage and delivery apparatus. 3,391,808, 7–9–68, Cl. 214—17.

Barber, Jesse: *See*—
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Barber, Julia W.: *See*—
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Barber Mfg. Co., The: *See*—
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Barber, Mark R., and H. Fukui, to Bell Telephone Laboratories, Inc. Circuits for combining the power outputs of a plurality of negative resistance device oscillators. 3,393,375, 7–16–68, Cl. 331—107.

Barber, Richard B., L. G. Cross, and W. G. Prince, to Lear Siegler, Inc. Laser optical apparatus for cutting holes. 3,419,321, 12–31–68, Cl. 350—8.

Barber, Richard H., and J. T. McKean, to Allis-Chalmers Mfg. Co. Dynamoelectric machine. 3,375,382, 3–26–68, Cl. 310—90.

Barber, Richard P., and V. C. Smith, to Burlington Industries, Inc. Prewetting cellulosic fabric before introduction to dehydrating solution of formaldehyde reactant in a continuous process. 3,371,983, 3–5–68, Cl. 8—116.4.

Barber, Robert E., to Sundstrand Corp. Turbine. 3,403,890, 10–1–68, Cl. 253—59.

Barber, Robert R.: *See*—
Kurzweil, Fred, Jr., Barber, and Dost. 3,409,799.

Barber, Robert R., P. C. Lang, K. H. Loeffler, and F. Kurzweil, Jr., to International Business Machines Corp. Filament current control by a superposed dithering voltage. 3,413,517, 11–26–68, Cl. 315—106.

Barber, Robert R., and K. H. Loeffler, to International Business Machines Corp. Intensity control system for a particle beam device. 3,418,520, 12–24–68, Cl. 315—31.

Barber, Roy H., to Hardwick Stove Co. Removable oven door and hinge assembly. 3,398,735, 8–27–68, Cl. 126—191.

Barber, Sidney J.: *See*—
Smith, Robert K., and Barber. 3,396,111.

Barber, Stanley F., to C.A.V. Ltd. Fluid control valves. 3,416,505, 12–17–68, Cl. 123—139.

Barber, Stephen W., to Owens-Illinois, Inc. Cathode ray tube display screen comprising woven mat of luminescent glass fibers. 3,373,302, 3–12–68, Cl. 313—92.

Barber, Theodore C. Engine wear indicator. 3,365,939, 1–30–68, Cl. 73—115.

Barber-Webb Co., The: *See*—
Barber, Donald B., Everett, Mihelich, and Nou. 3,409,536.

Barber, William A.: *See*—
Barber, Alan and W. A. 3,363,873.

Barber, William A., to American Cyanamid Co. Fuel cell with platinum-rhodium containing catalyst. 3,364,072, 1–16–68, Cl. 136—86.

Barber, William R., Jr., to Esco Corp. Alloy steel and method. 3,362,812, 1–9–68, Cl. 75—126.

Barbera, Edmund C. Page-turning assembly. 3,371,571, 3–5–68, Cl. 84—502.

Barbera, Edmund C. Building wall construction with laterally spaced panel members. 3,405,495, 10–15–68, Cl. 52—562.

Barberton Plastics Products, Inc.: *See*—
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Barbier, Jean Y., to International Oil Burner Co. Electric hot water unit heater utilizing replaceable cartridge. 3,418,451, 12–24–68, Cl. 219—341.

Barbier, Jean Y. and E. J. Papke, to International Oil Burner Co. Undercabinet electric space heater unit. 3,417,227, 12–17–68, Cl. 219—365.

Barbier, William J.: *See*—
Kemp, Willard E., and Barbier. Re. 26,424.

Barbier, William J., to Jackes-Evans Mfg. Co. Temperature control means and refrigeration system therefor. 3,363,431, 1–16–68, Cl. 62—196.

Barbier, William J., to Jackes-Evans Mfg. Co. Pilot operated control valve. 3,363,433, 1–16–68, Cl. 62—197.

Barbier, William J., to Jack-Evans Mfg. Co. Compressor suction line by-pass means. 3,365,905, 1–30–68, Cl. 62—196.

Barbieri, Siegfried, to Durst A.G. Automatic focusing device. 3,387,534, 6–11–68, Cl. 88—24.

Barbieri, Siegfried, to Durst A.G. Light projecting device for photographic printer. 3,411,847, 11–19–68, Cl. 355—30.

Barbini, Spartacus, to Compagnie Generale d'Electricite. Triggering device for spark generators. 3,379,928, 4–23–68, Cl. 315—57.

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Barbu, Bernard, and J. Huyghe, to Commissariat a l'Energie Atomique. Method and device for providing protection against scale formation on a heat exchange surface. 3,400,754, 9–10–68, Cl. 165—1.
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Barie, Walter P., Jr., N. W. Franke, and A. C. Whitaker, to Gulf Research & Development Co. Organo-titanium compounds and zinc dicarboxylates as synergistic esterification catalyst. 3,418,359, 12–24–68, Cl. 260—475.

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MacDonald, Charles E., Anderson, and Barker. 3,368,517.

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Barker, Joseph, to United Shoe Machinery Corp. Feeding device for tubular knitted fabric. 3,389,443, 6-25-68, Cl. 26—55.

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Barley, Leo D., to Harris-Intertype Corp. Paper cutter. 3,388,-813, 6-18-68, Cl. 214—1.6.

Barley, Leslie G.: *See*—
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Barnes, James R. Tool post and holder assembly. 3,376,771, 4–9–68, Cl. 82—36.

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Barnes, John C., and G. J. Johnston, to Eastman Kodak Co. Viscous silver halide photographic monobath solutions. 3,392,019, 7–9–68, Cl. 96—61.

Barnes, John W., and J. L. Goodlet, Jr., to Kollsman Instrument Corp. Scanning device for tracker using concentric photosensitive surfaces cooperating with oscillated image. 3,381,133, 4–30–68, Cl. 250—203.

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Barnes, Lloyd L., Jr., to Bell Aerospace Corp. Fluid pressure indicator apparatus. 3,386,410, 6–4–68, Cl. 116—70.

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Barnes, Roswell P., Jr., to Northrop Corp. Acoustic transducer. 3,403,234, 9–24–68, Cl. 179—111.

Barnes, Stanley C., and J. Armstrong, to Joseph Lucas (Industries) Ltd. Battery plates. 3,398,024, 8–20–68, Cl. 136—34.

Barnes, Wendell A., and N. W. Franke, to Gulf Research & Development Co. Polyvinyl chloride stabilized by oxamides. 3,414,535, 12–3–68, Cl. 260—31.8.

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Barnett, Eugene R. and W. L. Beam-driven gyroscope device. 3,379,889, 4–23–68, Cl. 250—215.

Barnett, Eugene R., and W. L. Power unit. 3,404,665, 10–8–68, Cl. 123—65.

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Barnett, Joel F. Dual rod and reel holder. 3,385,544, 5–28–68, Cl. 248—39.

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Barnett, William J., G. A. Mancini, and J. Symonds, to E. I. du Pont de Nemours and Co. Dispersion-modified cobalt and/or nickel alloy containing anisodrametric grains. 3,368,883, 2–13–68, Cl. 29—182.5.

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Barnstead, William A. Steam jacketed cylindrical water still with demister and access door. 3,382,157, 5–7–68, Cl. 202—197.

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Zeitlin, Alexander, and Brayman. 3,367,163.

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Baronnier, Jean-Henri, and G. L. Pagni, to Rhone-Poulenc S.A. Process for the preparation of organopolysiloxanes. 3,398,118, 8–20–68, Cl. 260—46.5.

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Barows, Arthur G., E. W. Parrish, and R. C. Miner, to International Harvester Co. Root crop harvester. 3,419,084, 12–31–68, Cl. 171—58.

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Barr, Courtland H., Sr., and J. W. Lucas, to Courtland Laboratories. Needle dispenser. 3,405,841, 10–15–68, Cl. 221—24.

Barr, Earl L.: *See*—
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Barr, Fred S., and G. F. Collins, to The S. E. Massengill Co. Diagnostic swabs. 3,368,549, 2–13–68, Cl. 128—2.

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Barr, Irwin R., to United States of America, Army. Sabot remover with helically arranged ridges. 3,392,472, 7–16–68, Cl. 42—76

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Stillwell, Peter F. T. C., Barr, and Reeve. 3,387,776.

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Davy, John R., McKillop, and Brash. 3,396,238.
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Barr, Thomas A., Jr., C. M. Cason, R. F. Mayo, L. L. Dickerson, J. J. Ehrlich, J. F. Perkins, R. A. Brandt, and B. O. Rogers, to United States of America, Army. Real time reentry simulator. 3,392,577, 7–16–68, Cl. 73—147.

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Barr, Victor L., and H. K. Schmidt, to Roller Bearing Co. of America. Self-aligning bushing. 3,395,951, 8–6–68, Cl. 308—72.

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Barraco, Anthony J., to Varian Associates. Method of making cathodes having a hard smooth electron emitting surface. 3,393,090, 7–16–68, Cl. 117—217.

Barrar, Richard, and A. R. Giddis, to United States of America, Navy. Telescoping folded monopole with capacitance at input. 3,403,405, 9-24-68, Cl. 343—745.

Barras, Herbert. Automatically regulatable drain cleaner. 3,411,225, 11-19-68, Cl. 37—93.

Barras, Herbert. Terracing, grading and leveling device. 3,417,495, 12-24-68, Cl. 37—93.

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Barrera, Jose M. Combination drain and trap unit. 3,416,559, 12-17-68, Cl. 137—247.13.

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Barrett, James P., E. T. Slattery, and J. H. Norris, to Veeder Industries Inc. Pushbutton rotary switch having unitary actuator. 3,375,337, 3-26-68, Cl. 200—156.

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Barrett, La Vern H., to The Gorton Corp. Apparatus employing an air stream for conveying objects through a cutting head to divide them into separate portions. 3,366,151, 1-30-68, Cl. 146—162.

Barrett, Paul A., to Burroughs Wellcome & Co. Derivatives of glyoxal dithiosemicarbazone. 3,382,275, 5-7-68, Cl. 260—488.

Barrett, Paul A., A. G. Caldwell, and L. P. Walls. Treatment of oepression with N-benzylpiperazine. 3,401,224, 9-10-68, Cl. 424—250.

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Barrett, Robert D., and J. T. Rohrbacher, to International Harvester Co. Brake return and automatic adjustment means. 3,403,755, 10-1-68, Cl. 188—72.

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Barrington, Jonathan, to IRC, Inc. Electrical resistor. 3,414,864, 12-3-68, Cl. 338—300.

Barrington, Jonathan, and O. R. Bergmann, to E. I. du Pont de Nemours and Co. Preparation of brittle inorganic polycrystalline powders by shock-wave techniques. 3,367,766, 2-6-68, Cl. 75—.5.

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Barris, Arthur R., and E. V. Riehl, to Bemis Co., Inc. Bag. 3,409,210, 11-5-68, Cl. 229—55.

Barroero, Louis F. Door hinge mounting. 3,365,747, 1-30-68, Cl. 16—75.

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Barron, Benjamin, to Lear Siegler, Inc. Magnetic transmission listen switch for sonar. 3,414,872, 12-3-68, Cl. 340—3.

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Barron, John, and V. A. J. Malier, to International Computers and Tabulators Ltd. Electrical switching matrices. 3,414,882, 12-3-68, Cl. 340—166.

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Barrow, Marvin A. Fruit picker. 3,397,526, 8-20-68, Cl. 56—340.

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Barrows, Irvin R. Mathematical educational apparatus using blocks. 3,403,460, 10-1-68, Cl. 35—31.

Barrows, Martin R. Radiation sensitive multichannel pressure transducer. 3,375,377, 3-26-68, Cl. 250—231.

Barrsukov, Arkadij, L. Bures, C. Doudlebsky, M. Chrtek, and S. Kabele, to Vyzkumny Ustav Bavlnarsky. Method and apparatus for dolling and straightening fibers during combing and spinning thereof. 3,368,340, 2-13-68, Cl. 57—58.89.

Barrus, Donald M., and A. C. Williams, to United States of America, Atomic Energy Commission. Reactor control by free pinion rack and pinion linear actuator motion multiplier. 3,405,032, 10-8-68, Cl. 176—36.

Barry, Adelbert, F. L. Chalmers, and J. B. Pearson, to Esso Production Research Co. Seismic wave source for use at marine locations. 3,406,778, 10-22-68, Cl. 181—.5.

Barry, Austin W., and R. P. Schake, to Weston Instruments, Inc. Pointer locking mechanisms for exposure meters and the like. 3,403,656, 10-1-68, Cl. 116—129.

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Barry, Frank W., to United Aircraft Corp. Attitude biased mach sensor. 3,402,726, 9-24-68, Cl. 137—15.2.

Barry, Harry J., to Hughes Aircraft Co. Beam forming system. 3,370,267, 2-20-68, Cl. 340—6.

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Barry, Robert M. Balloon target missile. 3,411,778, 11-19-68, Cl. 273—105.4.

Barry, Robert M., and A. J. Reiling, to Multi-Clean Products, Inc. Rotary brush for carpet scrubbing machine. 3,398,422, 8-27-68, Cl. 15—180.

Barry-Wehmiller Co.: *See*—
Babunovic, Momir. 3,406,808.
Mayeux, Robert F. 3,382,974.

Barsell, John E. Ski clamp. 3,366,297, 1-30-68, Cl. 224—45.

Barske, Ulrich M. W. Friction gearing. 3,380,312, 4-30-68, Cl. 74—206.

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Barson, Fred, and J. Sturm, to International Business Machines Corp. Method and apparatus for reverse sputtering selected electrically exposed areas of a cathodically biased workpiece. 3,410,774, 11-12-68, Cl. 204—192.

Barsotti, Leo R.: *See*—
Kelly, Allan C., Ducote, and Barsotti. 3,392,125.

Barsov, Alexei F.: *See*—
Shubin, Vladimir N., Barsov, Novobratsky, Poshchishchailo, and Poljak. 3,373,587.

Barstow, Alva K., and W. B. Marsh, to The Boeing Co. Apparatus for welding miniature and micro-miniature electronic components. 3,393,288, 7-16-68, Cl. 219—89.

Barsukov, Arkadij: *See*—
Bures, Ladislav, Doudlebsky, and Barsukov. 3,375,649.

Barsun, Herman F.: *See*—
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Bart Le Poole, Jan, to North American Philips Co., Inc. Electron-optical system with a magnetic focussing lens having a cooling means. 3,394,254, 7-23-68, Cl. 250—49.5.

Bart, Victor R. Speed responsive control. 3,365,615, 1-23-68, Cl. 317—5.

Barta, Henry R.: *See*—
Woods, John P, Dransfield, and Barta. 3,375,574.

Bartel, Joseph J. Machines for aiding in skinning small animals. 3,371,375, 3-5-68, Cl. 17—21.

Bartell, James F., and M. E. Ross, to Dow Corning Corp. Thermally stable sealants from fluoroalkyl siloxanes, zirconium silicate, and ceric hydrate. 3,386,945, 6-4-68, Cl. 260—37.

Bartell, Rudy, and H. A. McKee, to Atlantic Water Treatment Co., Inc., Ion exchange water treatment using vibratory agitation. 3,398,090, 8–20–68, Cl. 210—19.

Bartels, Alfred F. A., to Nordischer Maschinenbau Rud. Baader. Processing of fish. 3,364,517, 1–23–68, Cl. 17—45.

Bartels, Erich, to Firma Rheinmetall G.m.b.H. Obturator arrangement for gun barrels. 3,403,596, 10–1–68, Cl. 89—26.

Bartels, Karl F.: *See*—
Fischer, Francis H., Bartels, and D. E. Fischer. 3,367,855.

Bartelt Engineering Co., Inc.: *See*—
Beert, Carl, and Erhardt. 3,390,875.
Erhardt, Stefan. 3,370,496.
Johnson, Kenneth R. 3,368,673.
Johnson, Kenneth R., and Beert. 3,369,577.
Johnson, Kenneth R., Beert, and Brogren. 3,410,052.
Lampert, Tadeusz. 3,369,578.
Livingston, Richard D. 3,370,549.

Barten, Ernst H., to Achenbach Sohne G.m.b.H. Arrangement for counter-balancing the working rollers of a roller stand. 3,398,564, 8–27–68, Cl. 72—243.

Barter, Francis B., and J. S. Machado, to United Electric Controls Co. Conditioning apparatus and indicator control therefor. 3,404,945, 10–8–68, Cl. 21—93.

Bartfai, John J., to General Electric Co. Photoconductive composition and coated article. 3,397,086, 8–13–68, Cl. 117—218.

Barth, Bruce P., to Union Carbide Corp. Mixtures of polycarbonates and polyarylene polyethers. 3,365,517, 1–23–68, Cl. 260—860.

Barth, Bruce P., to Union Carbide Corp. Mixtures of polyacrylates and polyarylene polyethers. 3,370,107, 2–20–68, Cl. 260—901.

Barth, Bruce P., to Union Carbide Corp. Mixtures of polyarylene polyethers and vinylidene fluoride-hexafluoropropene copolymers. 3,400,065, 9–3–68, Cl. 204—159.2.

Barth, Bruce P., T. E. Bugel, and W. F. Hale, to Union Carbide Corp. Mixtures of polyhydroxyethers and polyarylene polyethers. 3,375,297, 3–26–68, Cl. 260—823.

Barth Corp., The: *See*—
Sentz, Adam J. 3,399,798.

Barth, Everett N. Flop mop. 3,380,767, 4–30–68, Cl. 287—99.

Barth, Harry J., to International Latex & Chemical Corp. Process and articles involving codeposition of latex and polyurethane. 3,382,138, 5–7–68, Cl. 161—190.

Barth, Robert, and G. Adalbert, to Robert Bosch G.m.b.H. Windshield wiper. 3,418,679, 12–31–68, Cl. 15—250.36.

Barth, Walter J., to I. E. du Pont de Nemours and Co. Consumable electrode stabilized against warping formed from compacted refractory metal particles. 3,400,206, 9–3–68, Cl. 13—18.

Barthel, Gunter, G. Scholz, and A. Hahndorff, to Pintsch Bamag AG. Mercury distributing structure for electrolysis cells and the like. 3,380,906, 4–30–68, Cl. 204—220.

Barthel, Roy W., to Taylor Instrument Co. Rebalancing system using multiple force range motor and power source. 3,376,482, 4–2–68, Cl. 318—32.

Barthel, Roy W. and H. R. Jaquith, to Taylor Instrument Companies. Force balance instrument having V-notch mounted shaft and overrange protection. 3,396,374, 8–6–68, Cl. 340—187.

Bartheld, Robert G., and E. F. Cooney, to Allis-Chalmers Mfg. Co. Pump adjusting mechanism. 3,386,385, 6–4–68, Cl. 103—87.

Barthelemy, Robert F., to United States of America, Navy. Deadload simulator. 3,386,278, 6–4–68, Cl. 73—11.

Bartholet, Emil J., to Komline-Sanderlon Engineering Corp. Rotary liquid metering wheel. 3,385,223, 5–28–68, Cl. 103—85.

Bartholome, Ernst, E. Lehrer, and F. W. Schierwater, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of acetylene by thermal cracking of hydrocarbons. 3,396,207, 8–6–68, Cl. 260—679.

Bartholomew, Albert P., Jr., to Electro-Mechanical Instrument Co. Accelerometer. 3,395,583, 8–6–68, Cl. 73—514.

Bartholomew, Ralph. Means for electrically driving two elements in parallel through proportional distances. 3,392,647, 7–16–68, Cl. 95—18.

Bartholomew, Ralph. Tracking or scanning device. 3,392,648, 7–16–68, Cl. 95—18.

Bartholomew, Ray E.: *See*—
Palmer, George W., Gast, and Bartholomew. 3,402,837.

Bartholomew, Russell W., to Ranco, Inc. Dryness control. 3,411,219, 11–19–68, Cl. 34—45.

Barthruff, Otto, to R. Bosch. Windshield wiper assembly for automotive vehicles. 3,372,420, 3–12–68, Cl. 15—250.17.

Bartik, William J., to Sperry Rand Corp. Sensing circuitry. 3,373,292, 3–12–68, Cl. 307—210.

Bartik, William J., W. F. Chow, J. B. Schwarz, and J. V. Murphy, to Sperry Rand Corp. Parametric circuits. 3,399,309, 8–27–68, Cl. 307—88.

Bartkus, Edward A., J. M. Brownlow, and K. R. Grebe, to International Business Machines Corp. Method of fabricating magnetic storage devices. 3,392,441, 7–16–68, Cl. 29—604.

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Bartl, Herbert, G. Muller, and R. Merten, to Farbenfabriken Bayer Aktiengesellschaft. Addition polymers of dicyclo pentadiene isocyanates and vinylic compounds. 3,414,548. 12–3–68, Cl. 260—85.5.

Bartlebaugh, Robert H. Waterway marker. 3,360,811, 1–2–68, Cl. 9—8.

Bartles, Edward C., and W. A. Torpey, to Eastman Kodak Co. Web guiding apparatus. 3,411,683, 11–19–68, Cl. 226—21.

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Bartlett, Homer E., and L. Pietsch, to Radiation Inc. Antenna system with dielectric horn structure interposed between the source and lens. 3,414,903, 12–3–68, Cl. 343—753.

Bartlett, Jeffrey H., A. J. Morway, and J. R. Livingston, Jr., to Esso Research and Engineering Co. Lubricating grease containing odd and even-numbered fatty acids. 3,389,084, Cl. 252—39.

Bartlett, John R.: *See*—
Janovtchik, Vlacheslav J., Bartlett, and George. 3,380,834.

Bartlett, Paul D.: *See*—
Strain, Franklin, and Bartlett. 3,391,205.

Bartlett, Peter G.: *See*—
Materer, Donald R., and Bartlett. 3,377,589.

Bartlett, Peter G., and J. E. Meschi, to E. W. Bliss Co. Ceramic memory having a piezoelectric drive member. 3,401,377, 9–10–68, Cl. 340—173.2.

Bartlett, Peter G., and J. E. Meschi, to E. W. Bliss Co. Ferroelectric capacitor matrix bit line driver. 3,401,378, 9–10–68, Cl. 340—173.2.

Bartlett, Philip D., to Polarold Corp. Photographic processing apparatus. 3,369,473, 2–20–68, Cl. 95—89.

Bartlett, Philip L., to E. I. du Pont de Nemours and Co. Photochemical chlorination of acetonitrile. 3,418,228, 12–24–68, Cl. 204—158.

Bartlett, Richard F., C. F. W. Ekman, and J. F. Pian, to Itek Corp. Recording process. 3,414,410, 12–3–68, Cl. 96—27.

Bartlett, Robert E., to Manton-Gaulin Sales Co., Inc. Process and apparatus for pasteurizing and clarifying, separating and/or homogenizing milk. 3,364,038, 1–16–68, Cl. 99—212.

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Blackburn, Charles M., and Bartlett. 3,366,108.
Swet, Charles J., and Bartlett. 3,403,612.

Bartlett, Roscoe G., Jr., and E. J. Brunsman, to United States of America, Navy. End tidal sampler for an oxygen breathing mask. 3,395,701, 8–6–68, Cl. 128—146.5.

Bartlett, Shirley C., Jr.: *See*—
Wynkoop, Raymond, and Bartlett. 3,406,111.

Bartlett-Snow-Pacific, Inc.: *See*—
Isheim, Maynard C., and Stroshane. 3,395,905.
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Bartlett, Turner C., to Bethlehem Steel Corp. Apparatus for piling sheets. 3,370,848, 2–27–68, Cl. 271—68.

Bartlett, William F., to General Dynamics Corp. Time division multiplex recirculating storage means incorporating common half-adder. 3,404,237, 10–1–68, Cl. 179—15.

Bartlett, William W., and R. M. Dunlap, to United States of America, Navy. Water current meter. 3,370,462, 2–27–68, Cl. 73—189.

Bartlett, Woodrow W., to Gem Corp. Automotive air filter. 3,413,782, 12–3–68, Cl. 55—485.

Bartley, Douglas M. Mass proximity sensor. 3,392,349, 7–9–68, Cl. 331—65.

Bartley, Keith D., and R. E. Prescott, to Bell Telephone Laboratories, Inc. Telephone booth assembly. 3,377,080, 4–9–68, Cl. 280—43.23.

Bartley, Thomas S.: *See*—
Lee, Charles A., and Bartley. 3,399,587.

Bartley, William E., III: *See*—
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Bartlow, George T., to United States of America, Navy. Sensitivity regulator for a photomultiplier tube using magnetic modulator means. 3,374,357, 3–19–68, Cl. 250—207.

Bartocha, Bodo K. W.: *See*—
Fetter, Neil R., and Bartocha. 3,396,170.

Bartoletti, Loredano: *See*—
Geneloni, Aldo, and Bartoletti. 3,406,958.

Bartoletti, Louis F. Removable fishing rod guide. 3,403,468, 10–1–68, Cl. 43—24.

Bartoli, Lanfranco, and C. Fondi, to Contraves Italiana S.p.A. Accelerometric automatic pilot for missiles. 3,395,874, 8–6–68, Cl. 244—3.2.

Bartolini Salimbeni Vival, Pietro. Cyclic movable ice maker. 3,418,823, 12–31–68, Cl. 62—138.

Bartolles, Rolf: *See*—
Hornfeck, Josef, and Bartolles. 3,399,598.

Bartolo, Angela D. Flash cards for teaching arithmetic. 3,387,391, 6–11–68, Cl. 35—31.

Bartolomeo, Frank A.: *See*—
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Barton, David M., to Monsanto Co. Analog-to-digital converter. 3,414,898, 12–3–68, Cl. 340—347.

Barton, David M., and G. E. Smith, to Tektronix, Inc. Signal isolation circuit. 3,381,238, 4–30–68, Cl. 330—165.

Barton, David M., and R. L. Koepp, to Monsanto Co. Differential amplifier. 3,401,350, 9–10–68, Cl. 330—30.

Barton, Derek H. R., to Research Institute for Medicine and Chemistry, Inc. Process for the preparation of lactones. 3,382,239, 5-7-68, Cl. 260—239.57.

Barton, Francis M., to Foster Wheeler Corp. Segment-type grinding ring. 3,366,338, 1-30-68, Cl. 241—47.

Barton, Frank L., Jr., and L. F. Kaiser, to Libbey-Owens-Ford Glass Co. Method and apparatus for bedding glass plates for grinding and polishing. 3,418,190, 12-24-68, Cl. 156—295.

Barton, George C., and G. Millar, to United Shoe Machinery Corp. Adhesive applying devices for heel seat lasting machines. 3,386,114, 6-4-68, Cl. 12—12.5.

Barton, George R., and G. W. Pate, Jr., to United States of America, Army, and/or the Administrator of the Federal Aviation Agency. Frequency monitor. 3,412,388, 11-19-68, Cl. 340—248.

Barton, George W., Jr., and R. J. Dupzyk, to United States of America, Atomic Energy Commission. Magnet sweep control circuit. 3,405,326, 10-8-68, Cl. 317—123.

Barton, John S., to Thiele Kaolin Co. Core bit. 3,388,754, 6-18-68, Cl. 175—244.

Barton, John T., to Perkins Pipe Linings, Inc. Pipe lining trowel. 3,368,253, 2-13-68, Cl. 25—38.

Barton, John T., to Perkins Pipe Linings, Inc. Pipe lining trowel apparatus. 3,384,940, 5-28-68, Cl. 25—38.

Barton, Loy E.: *See*—
Spanel, Abram N., and Barton. 3,387,577.

Barton, Oliver A.: *See*—
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Barton, Oliver A., and R. M. Hetterly, to Allied Chemical Corp. Novel epoxide resins prepared from α,α′,α″-tris(hydroxyphenyl)-1,3,5-triisopropylbenzene and 1,4-bis (p-hydroxycumyl) benzene. 3,370,038, 2-20-68, Cl. 260—47.

Barton, Oliver A., and R. M. Hetterly, to Allied Chemical Corp. Novel epoxide resins prepared from α,α′,α″-tris(hydroxyphenyl) - 1,3,5 - triisopropylbenzene and 2,2 - bis(p-hydroxyphenyl) propane. 3,376,259, 4-2-68, Cl. 260—47.

Barton, Oliver A., and W. W. Litteli, to Allied Chemical Corp. Thermoplastic resin reaction product of 1,4-bis(p-hydroxycumyl)benzene with epichlorohydrin. 3,414,541, 12-3-68, Cl. 260—47.

Barton, Raymond W., and J. K. Neely, to Mead Johnson & Co. Presterilized nipple package. 3,373,864, 3-19-68, Cl. 206—46.

Barton, Raymond W., and W. H. Toepfer, to Mead Johnson & Co. Tablet dispenser. 3,402,850, 9-24-68, Cl. 211—8.

Barton, Richard R., to Miles Laboratories, Inc. Process for purification of fungal alpha amylase. 3,416,997, 12-17-68, Cl. 195—66.

Barton, Robert L.: *See*—
Robinson, Martin, and Barton. 3,414,214.

Barton, Robert M. Contraction joint strip and method and apparatus for installing the same. 3,395,627, 8-6-68, Cl. 94—51.

Barton, Sterling C., to General Electric Co. Generator air gap entrance baffle for cooling stator core end portions. 3,413,499, 11-26-68, Cl. 310—58.

Barton, Thomas C.: *See*—
Reece, James J., and Barton. 3,399,006.

Barton, Trigg R.: *See*—
Eller, Dale L., and Barton. 3,367,651.

Barton, William D., to MB Associates. Small arms weapon. 3,364,817, 1-23-68, Cl. 89—1.813.

Bartos, Josef, to Abegg and Reinhold Co. Vane type rotary devices. 3,381,584, 5-7-67, Cl. 91—104.

Bartos, Josef, to Abegg and Reinhold Co. Well pipe spinner. 3,390,728, 7-2-68, Cl. 173—163.

Bartos, Josef, to Abegg and Reinhold Co. Well pipe spinning unit. 3,392,609, 7-16-68, Cl. 81—57.

Bartron, Robert R., to Form-Rite Plastic Co., Inc. Method and apparatus for producing counter tops. 3,392,074, 7-9-68, Cl. 156—216.

Bartsch, Peter, and R. Strobl, to Veb Glaswerke Stutzerbach. Automatic Warburg manometer for the constant volume measurement and recording of the pressure of one or a plurality of closed systems. 3,382,718, 5-14-68, Cl. 73—401.

Bartz, August L.: *See*—
Ashworth, James E., and Bartz. 3,364,557.
Ashworth, James E., and Bartz. 3,367,688.
Ashworth, James E., and Bartz. 3,370,836.
Ashworth, James E., and Bartz. 3,389,930.

Bartz, Richard O. Drip receptacle. 3,410,438, 11-12-68, Cl. Cl. 220—1.

Bartz, Theodore J., to E. W. Bliss Co. Method of blending powdered metal and lubricant prior to sintering. 3,401,033, 9-10-68, Cl. 75—.5.

Baruch, Hans, and E. W. Anthon, to Warner-Lambert Pharmaceutical Co. Automated spectrophotometric system. 3,364,811, 1-23-68, Cl. 88—14.

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Barusch, Maurice R., W. L. Richardson, G. J. Kautsky, and D. R. Olson, to Chevron Research Co. Tetramethyllead and arylphosphate gasoline composition. 3,418,091, 12-24-68, Cl. 44—69.

Barwick, Le Roy E., and W. L. Leonard, to McGraw-Edison Co. Staticfree bolt. 3,362,449, 1-9-68, Cl. 151—37.

Barz, Gunter, to Ancar A.G. Dye layer for carbon paper, copying paper, hectographic paper, and the like, and method of making same. 3,418,148, 12-24-68, Cl. 117—36.1.

Barz, Maurice R., R. E. Olson, and N. S. Stockdale, to International Business Machines Corp. Video quantizing system. 3,415,950, 12-10-68, Cl. 178—7.1.

Basa, Kenneth B.: *See*—
Levinson, Arthur, Radtke, and Basa. 3,385,713.

Basch, Donald J.: *See*—
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Basch, Harry W., to Westinghouse Electric Corp. Chassis support structure. 3,363,957, 1-16-68, Cl. 312—214.

Baschant, Robert, to Orenstein-Koppel und Lubecker Maschinenbau A.G. Ship unloading device. 3,392,818, 7-16-68. Cl. 198—88.

Bascle, Joseph A., Jr., to Associated Consultants, Inc. Carburetor and inlet manifolds for internal combustion engines. 3,398,938, 8-27-68, Cl. 261—46.

Bascom, Hollis H., to Orcon Corp. Method and apparatus for making non-woven fabrics. 3,391,043, 7-2-68, Cl. 156—181.

Bascom, Hollis H., J. J. Grecl, and R. G. Jenkins, to Orcon Corp. Method and apparatus for making nonwoven fabrics. 3,391,039, 7-2-68, Cl. 156—171.

Bascom, Raymond E. Book ends. 3,399,782, 9-3-68, Cl. 211—43.

Basehore, Carl J., and L. J. Webb. Photoelectric wall switch with means to illuminate the operating surface. 3,398,290, 8-20-68, Cl. 250—239.

Bashaw, Robert N.: *See*—
Harper, Billy G., Bashaw, and Self. 3,407,138.

Basic, Inc.: *See*—
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Jepsen, Tage L. B. 3,419,140.
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Basic Products Corp.: *See*—
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Eickelberg, Henry L., and Martinek. 3,383,582.
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Martinek, Robert G. 3,396,955.
Miller, C. Fredrick. 3,384,288.
Miller, Charles F. 3,384,287.
Miller, Charles F. 3,403,575.
Miller, Charles F. 3,407,985.
Miller, Charles F., Allen, and Spicer. 3,363,818.
Miller, Charles F., and Spicer. 3,385,647.
Peltak, Thomas F., and Orr. 3,408,480.
Sola, Joseph G. 3,361,956.
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Basic Vegetable Products, Inc.: *See*—
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Yamamoto, James S., and Stephenson. 3,378,380.

Basile, Norman K.: *See*—
Burke, Charles A., Gale, and Basile. 3,374,639.
Corvino, Ralph A., and Basile. 3,374,641.

Basile, Norman K., and D. R. Yearwood, to J. J. McMullen. System for cooling, purging and warming liquefied gas storage tanks and for controlling the boil-off rate of cargo therein. 3,374,638, 3-26-68, Cl. 62—45.

Basile, Norman K., D. R. Yearwood, and D. W. Brideweser, to J. J. McMullen. Leak detection system. 3,413,840, 12-3-68, Cl. 73—40.

Basile, Norman K., T. F. Bridges, and G. R. Knight, Jr., to J. J. McMullen. Hatch arrangement for liquefied gas storage tanks. 3,397,662, 8-20-68, Cl. 114—74.

Basiletti, John: *See*—
Saarinen, Edward, and Basiletti. 3,405,698.

Basiletti, John C., and W. F. Isley, to Continental Aviation and Engineering. Compression ratio piston including oil filtering means. 3,417,738, 12-24-68, Cl. 123—78.

Basinger, Charles B., to Aeroquip Corp. Brazing tool. 3,365,563, 1-23-68, Cl. 219—9.5.

Baskett, John R., to Bourns, Inc. Miniature potentiometer. 3,377,605, 4-9-68, Cl. 338—162.

Baskett, John R., to Bourns, Inc. Adjustable resistor. 3,380,011, 4-23-68, Cl. 338—162.

Baskin, Charles M. Membrane surfaced runways. 3,400,644, 9-10-68, Cl. 94—7.

Baskins, Douglas L.: *See*—
Kruse, Frederick W., Jr., and Baskins. 3,397,365.
Kruse, Frederick W., Jr., and Baskins. 3,416,100.
Kruse, Frederick W., Jr., Storke, and Baskins. 3,377,568.

Baskir, Emanuel, to Shell Oil Co. Downhole detector for determining magnetic north. 3,407,508, 10-29-68, Cl. 33—204.

Baskwell, John A., to Pirelli General Cable Works Ltd. Means to impregnate a hollow cable core. 3,374,767, 3-26-68, Cl. 118—408.

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Basnett, James T., to G.I. Parachute Co., Ltd. Parachutes. 3,385,540, 5-28-68, Cl. 244—152.

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Tresenreiter, Manfred. 3,401,432.

Baso, Loris. Fastening device for shoes, particularly for ski and mountaineering shoes. 3,393,430, 7-23-68, Cl. 24—70.

Baso, Loris. Fastening device for ski and mountaineering shoes. 3,407,450, 10-29-68, Cl. 24—163.

Basore, Harry H., and R. D. Noland, to W. C. Wiedenmann & Son, Inc. Dust filter. 3,385,033, 5-28-68, 55—302.

Bass, Michael J. A.: *See*—
Dodson, Ian G., and Bass. 3,395,916.

Bass, Ottis W., to United States of America, Army. Spotting charge. 3,374,741, 3–26–68, Cl. 102—87.

Bassan, Benjamin, to National Research Corp. Shaft feed through apparatus for vacuum coaters. 3,361,490, 1–2–68, Cl. 308—15.

Bassan, Benjamin, to National Research Corp. Vapor deposition apparatus including pivoted shutters. 3,381,660, 5–7–68, Cl. 118—49.

Bassan, Benjamin, and W. E. Briggs, to National Research Corp. Valve assembly and actuating linkage therefor. 3,380,479, 4–30–68, Cl. 137—627.5.

Bassani, Ermanno. Cover assembly. 3,364,330, 1–16–68, Cl. 200—168.

Bassani, Ermanno. Electric bells of reduced size fixed on the supporting frame for setting in combination with common electric controlling devices under the wall plaster. 3,371,340, 2–27–68, Cl. 340—896.

Bassani, Ermanno. Assembly for mounting an electric device. 3,378,160, 4–16–68, Cl. 220—3.6.

Bassani, S.p.A.: *See*—
Paganelli, Mario. 3,388,358.

Basseches, Mark T.: *See*—
Bierman, Eugene. 3,396,250.

Basset, Jacques P. L., and M. P. Bohner, to International Standard Electric Corp. Multiselectors employing crossbar switches having split horizontals or selection levels. 3,410,962. 11–12–68, Cl. 179—22.

Bassett, Arthur T., Jr., and D. C. Siegla, to General Motors Corp. Wattage controller for electrical surface heating unit. 3,406,278, 10–15–68, Cl. 219—450.

Bassett, Howard D., and J. Latosky, to Union Carbide Corp. Ternary polypropylene compositions containing ethylene/propylene and ethylene/vinylester copolymers. 3,361,852, 1–2–68, Cl. 260—897.

Bassett, Ormon E., and G. Bruck, to Avco Corp. Multiple point automatic welder. 3,415,972, 12–10–68, Cl. 219—78.

Bassett, Raymond C., to International Telephone and Telegraph Corp. Symbol generator. 3,404,394, 10–1–68, Cl. 340—324.

Bassett, W. E., Company, The: *See*—
Reswick, James B. Re. 26,344.

Bassett, William W., to Honeywell, Inc. Fluid regulating apparatus. 3,411,529, 11–19–68, Cl. 137—403.

Bassford, Frank E.: *See*—
Everard, Herbert R., and Bassford. 3,366,596.

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Bassist, Rudolph G. Knitting machine having a chopper bar controlling mechanism. 3,410,113, 11–12–68, Cl. 66—84.

Basso, Michael J. Self-adjusting switch. 3,393,281, 7–16–68, Cl. 200—61.62.

Basso, Michael J., and L. G. Cass. Removable spacer member for installing push button switch assemblies. 3,388,227, 6–11–68, Cl. 200—159.

Bastable, John S., to United Shoe Machinery Corp. Methods and apparatus for cutting sheet material. 3,368,435, 2–13–68, Cl. 83—23.

Baster, Forest S., to White Motor Corp. Cooling system for internal combustion engine. 3,385,273, 5–28–68, Cl. 123—44.74.

Bastian Blessing Co., The: *See*—
Billington, Evans R. 3,379,213.
Shaw, Harry N. 3,366,139.
Shaw, Harry N. 3,399,696.
Vantroba, Robert W. 3,408,053.
Veres, Edward W., Draxler, Hanson, and Poethig. 3,378,993.
Yuza, Rudolph A. 3,373,937.

Bastian, Donald G., to Friden, Inc. Power driven type bar actuating mechanism and cam therefor. 3,375,914, 4–2–68, Cl. 197—17.

Bastian, Lehyman J., to Scott Paper Co. Paper towel dispensing cabinet. 3,381,852, 5–7–68, Cl. 221—44.

Bastle, Clifford F., and J. J. Lester, to Controls Co. of America. Reversing valve. 3,400,736, 9–10–68, Cl. 137—625.29.

Bastone, Andrew L., J. R. Boeker, and F. E. Klimpl, to Owen-Corning Fiberglas Corp. Fluid-handling wall structure. 3,412,891, 11–26–68, Cl. 220—83.

Bata, George L., to Union Carbide Canada Ltd. Stress-crack resistant polyethylene compositions. 3,418,269, 12–24–68, Cl. 260—38.

Batch, Marvin L. Liquid ejector device. 3,373,492, 3–19–68, Cl. 32—33.

Batcha, Carl M.: *See*—
Walker, Philip F., Batcha, and Weisser. 3,399,793.

Batchelar, Raymond L.: *See*—
La Croce, Leonard T., and Batchelar. 3,409,166.

Batchelar, Raymond L., to American Can Co. Easy-open container end with reinforcing bead. 3,397,812, 8–20–68, Cl. 220—54.

Batchelder, Charles F., and J. A. Rubico, to Batchelder-Rubico, Inc. Shoe and process for making the same. 3,386,116, 6–4–68, Cl. 12—142.

Batchelder-Rubico, Inc.: *See*—
Batchelder, Charles F., and Rubico. 3,386,116.

Batchelor, La Ferena. Food turner utensil. 3,393,000, 7–16–68, Cl. 294—7.

Batchelor, Thomas M. Hair guard. 3,411,517, 11–19–68, Cl. 132—49.

Batcher, Kenneth E., to Goodyear Aerospace Corp. Means for merging sequences of data. 3,418,632, 12–24–68, Cl. 340—146.2.

Batcher, Ralph R. Circuit board device. 3,411,126, 11–12–68, Cl. 339—18.

Bate, Fred, to Rotostar S.p.A. Heat sealing of plastic film. 3,415,704, 12–10–68, Cl. 156—515.

Bate, Geoffrey, and J. R. Morrison, to International Business Machines Corp. Electromagnetic transducer manufacture. 3,376,035, 4–2–68, Cl. 29—603.

Bate, Roger A., to Celanese Corp. of America. Catalytic decomposition of formic acid in acetic acid mixtures. 3,384,659, 5–21–68, Cl. 260—541.

Batelaan, Joost: *See*—
Bourgault, Pierre L., and Batelaan. 3,371,295.

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Druckenmiller, Madeline M., Bateman, and Hauck. 3,371,665.

Bateman, J. W. Circulating type straddle washer. 3,391,743, 7–9–68, Cl. 166—183.

Bateman, Richard M., and M. K. Parrent, to The General Tire & Rubber Co. Process of making compositions useful for hard rubber products. 3,400,096, 9–3–68, Cl. 260—33.6.

Bates, Donald L., and J. Neal, to Hamilton Cosco, Inc. Chair. 3,377,966, 4–16–68, Cl. 108—141.

Bates, Edward A., to Smith Kline & French Laboratories. Disposable test tube rack. 3,375,934, 4–2–68, Cl. 211—72.

Bates, Harold: *See*—
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Bates, James W., to Gulyon Industries, Inc. Polyphase inverter. 3,377,539, 4–9–68, Cl. 321—5.

Bates, Kenneth T.: *See*—
McGregor, John C., and Bates. 3,389,057.

Bates, Marcus L. Apparatus for communicating service lines to mains. 3,396,745, 8–13–68, Cl. 137—317.

Bates, Norman A., to The Procter & Gamble Co. Process for preparing a cohesive web from non-fibrillatable rayon fibers. 3,392,084, 7–9–68, Cl. 162—157.

Bates, Richard D., and R. C. Visser, to Shell Oil Co. Offshore platform with internal flowline. 3,411,303, 11–19–68, Cl. 61—46.

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Bates, Robert C., and E. L. Corp, to United States of America, Interior. Pressure measuring device employing a diaphragm and strain gages. 3,372,577, 3–12–68, Cl. 73—88.5.

Bates, Robert E., to Miller Industries, Inc. Hydraulic threshold. 3,410,027, 11–12–68, Cl. 49—471.

Bates, Robert L., and P. L. Fondy. Mixing device. 3,415,493, 12–10–68, Cl. 259—7.

Bates, Warren H. Tray for holding multiple cartons. 3,377,016, 4–9–68, Cl. 229—31.

Bates, Willard. Gestation tabulator. 3,406,474, 10–22–68, Cl. 40—110.

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Bath, Clifford K., and R. M. Spangler, to Wise Potato Chip Co. Food product perforating and slicing apparatus. 3,381,731, 5–7–68, Cl. 146—56.

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Bath, Cyril J., to The Cyril Bath Co. Fixture for stretching sheet metal. 3,393,548, 7–23–68, Cl. 72—296.

Bath, David F., to The Procter & Gamble Co. Detergent composition. 3,407,144, 10–22–68, Cl. 252—108.

Bath, Hugh H. A.: *See*—
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Bathellier, Andre, and J.-J. Perez, to Commissariat a l'Energie Atomique. Process for the purification and decontamination of tertiary aliphatic amine solvents. 3,406,204, 10–15–68, Cl. 260—583.

Bathellier, Louis R. M., to Compagnie de Saint-Gobain. Operational safety mold cam bypass. 3,418,096, 12–24–68, Cl. 65—29.

Bathey Manufacturing Co.: *See*—
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Bathish, Louis N., and D. A. Jellies, to American Hospital Supply Corp. Apparatus for storing and handling parenteral liquids and method for opening same. 3,394,831, 7–30–68, Cl. 215—42.

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Batista, Jose H. Flexible shoehorn. 3,396,883, 8–13–68, Cl. 223—118.

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Batiuk, Walter, C. H. Jung, and F. W. Morgan, to The Boeing Co. Prevention of caking in high temperature fluidization processes. 3,419,416, 12–31–68. Cl. 117—106.

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Batke, Edwin E., to Beline Mfg. Co. Ltd. Towing bar. 3,384,391, 5–21–68, Cl. 280—478.

Batko, Adam D., to Village of Edina. Snow retaining gate for front end diagonal plow. 3,407,519, 10–29–68. Cl. 37—42.

Batko, Adam D., to Village of Edina. Snow retaining gate for material moving blade. 3,411,590, 11–19–68, Cl. 172—777.

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Eaves, Raymond O. 3,396,476.

Bator, Jesse A. Towel bar with folding rack. 3,374,899, 3–26–68, Cl. 211—96.

Batou, Boris, to Anstalt fur die Entwicklung von Erfindurgen und gewerblichen Anwendungen ENERGA. Rifle gernade. 3,413,923, 12–3–68, Cl. 102—65.2.

Batrow, John A. Control unit for liquid dispensing. 3,373,907, 3–19–68, Cl. 222—399.

Batson, Bradley L.: *See*—
Ambler, Edward C., Batson, and Flis. 3,383,016.

Batson-Cook Co.: *See*—
Ball, Gaines L., and Caskins. 3,360,837.

Batson, William A., to The Singer Co. Dust pickup systems for portable belt sanders. 3,391,499, 7–9–68, Cl. 51—170.

Batt, Dacian W., and M. M. Tetreault. Confessional construction. 3,404,234, 10–1–68, Cl. 179—1.

Batt, Thomas N., and H. A. Duvall, to Square D Co. Handle locking attachment for electrical control devices. 3,376,400, 4–2–68, Cl. 200—42.

Battaglia, Anthony. Hair spray device. 3,419,197, 12–31–68, Cl. 222—485.

Battail, Gerard, and P. Brossard. Multiple access satellite communication system. 3,383,597, 5–14–68, Cl. 156—148.

Battarel, Claude P., to Laboratory for Electronics, Inc. Pulse rate multiplier. 3,414,720, 12–3–68, Cl. 235—164.

Battelle Development Corp., The: *See*—
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Bouladon, Gabriel, and Zuppiger. 3,364,872.
Bouladon, Gabriel, and Zuppiger. 3,400,665.
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Jones, John B., Jr. 3,401,922.
Lawton, Emil A., Weilmuenster, and Levy. 3,391,194.
Little, Lawrence L. 3,370,955.
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Batten, Ronald W., to Hi-Shear Corp. Unitized brake for a fastener-setting driver. 3,397,601, 8–20–68, Cl. 81—56.

Batten, Ronald W., to Hi-Shear Corp. Drivers for setting fasteners. 3,398,612, 8–27–68, Cl. 81—54.

Batterson, Norman D.: *See*—
Robertson, James E., and Batterson. 3,378,218.

Battery Corp. of America: *See*—
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Battig, Paul, to Cutter Laboratories, Inc. Metering devices for liquids. 3,398,860. 8–27–68, Cl. 222—46.

Battista, Orlando A.: *See*—
Erdi, Nicholas Z., Ferraro, and Battista. 3,393,080.

Battista, Orlando A., to FMC Corp. Opening up asbestos with dimethylsulfoxide. 3,410,751, 11–12–68, Cl. 162—3.

Battista, Orlando A., and J. A. Robertson, to FMC Corp. Method of preparing carbonized shaped cellulose crystallite aggregates. 3,400,181, 9–3–68, Cl. 264—29.

Battistello, John O., to General Findings, Inc. Pin stem clasp. 3,402,438, 9–24–68, Cl. 24—155.

Battles, James W., D. E. Crane, R. W. Yancey, and J. R. Alday, to United States of America, Navy. Floating diode harmonic multiplier. 3,379,956. 4–23–68, Cl. 321—69.

Batton, Francis E., to Pittsburgh Plate Glass Co. Paradichlorobenzene block. 3,375,159, 3–26–68, Cl. 167—30.

Batts, John H., to John Thomas Batts, Inc. Method for packing garment hangers. 3,383,826, 5–21–68, Cl. 53—26.

Batts, John H., to John Thomas Batts, Inc. Contoured one-piece hanger. 3,406,881, 10–22–68, Cl. 223—88.

Batts, John Thomas, Inc.: *See*—
Batts, John H. 3,383,826.
Batts, John H. 3,406,881.

Batyko, Robert J., to The Babcock & Wilcox Co. Start-up system for forced flow vapor generator and method of operating the vapor generator. 3,361,117, 1–2–68, Cl. 122—406.

Batzer, Hans, O. Ernst, and D. Porret, to Ciba Ltd. Epoxides. 3,399,138, 6–25–68, Cl. 260—78.4.

Batzer, Thomas H., C. A. Gunderson, and J. J. Murphy, to United States of America, Atomic Energy Commission. Wedge gate vacuum valve mechanism with coated seat seal. 3,397,862, 8–20–68, Cl. 251—204.

Batzloff, Wilbur J., to The Regents of the University of California. Mixed gas regulator. 3,412,744, 11–26–68, Cl. 137—81.

Batzold, John S., to Esso Research and Engineering Co. Noble metal catalysts and their production. 3,380,934, 4–30–68, Cl. 252—462.

Bauch, Werner A., J. W. Burt, and W. A. Knarr, to Esso Research and Engineering Co. Process for forming active cuprous halide sorbents. 3,411,871, 11–19–68, Cl. 23—97.

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Baucke, Horst, to Jagenberg-Werke AG. Apparatus for longitudinally cutting moving webs of material, such as paper, cardboard and the like and including means to remove the cutting dust. 3,388,624, 6–18–68, Cl. 83—168.

Baucom, Myra J. Nursing bottle holder. 3,365,153, 1–23–68, Cl. 248—102.

Baud, Remy, to Compagnie Francaise Thomson Houston-Hotchkiss Brandt. Dual signal receiving system. 3,382,499, 5–7–68, Cl. 343—113.

Baude, John, to Allis-Chalmers Mfg. Co. Output control means for an AC standby power supply system. 3,366,797, 1–30–68, Cl. 307—66.

Baude, John, to Allis-Chalmers Mfg. Co. Static control circuits employing relay characteristic curve shaping means. 3,413,496, 11–26–68, Cl. 307—293.

Baudé, Lucien L., to The Steelcraft Mfg. Co. Edge adjustment device for doors. 3,413,762, 12–3–68, Cl. 49—501.

Baudelet, de Livois, G. M., to Controle Bailey (Societe Anonyme). Combustion control system. 3,369,748, 2–20–68, Cl. 236—15.

Bauder, Ulrich, to Fr. Hesser Maschinenfabrik-Aktiengesellschaft. Method for introducing into packages of all types, binding agents for undesired substances which detrimentally influence the packed material. 3,415,702, 12–10–68, Cl. 156—276.

Bauder, Warren F.: *See*—
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Baudou, Antoine J. G. Metallic ski. 3,374,001, 3–19–68, Cl. 280—11.13.

Baudoux, Edmond, to Etablissement Dic. Construction kit including wall, roof, beam and floor elements. 3,380,188, 4–30–68, Cl. 46—19.

Baudry, Jean, and J. Chopin, to Institut Francais du Petrole, des Carbarants et Lubrifiants. Internal combustion engine using lean mixtures. 3,364,911, 1–23–68, Cl. 123—127.

Baudry, Jean, and J. Chopin, to Institut Francais du Petrole des Carburants et Lubrifiants. Apparatus for the controlled combustion of lean mixtures in internal combustion engines. 3,382,850, 5–14–68, Cl. 123—32.

Baueh, Earl J.: *See*—
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Bauer AG: *See*—
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Bauer, Alajos Z. Hydraulic booster apparatus. 3,382,669, 5–14–68, Cl. 60—10.5.

Bauer, Alfred F., to National Lead Co. Safety instrument panel for automotive vehicles. 3,380,548, 4–30–68, Cl. 180—90.

Bauer, Alfred F., to National Lead Co. Golf ball warmer. 3,380,720, 4–30–68, Cl. 263—5.

Bauer, Alvin W., to General Electric Co. Multi-geometric pattern electric generator. 3,393,370, 7–16–68, Cl. 328—187.

Bauer, Arnold, and G. Buchwieser, to Patent-Treuhand-Gesellschaft fur Electrische Gluhlampen m.b.H. High pressure electric discharge lamp having fill including uranium halide. 3,365,602, 1–23–68, Cl. 313—54.

Bauer & Associates, Inc.: *See*—
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Bauer, Charles L., to Sunbeam Corp. Electric dry shaver. 3,401,453, 9–17–68, Cl. 30—43.9.

Bauer, Clifford D., G. L. Neuser, and H. A. Pinkalla, to W. R. Grace & Co. Method for preparing a coated meat product. 3,406,081, 10–15–68, Cl. 99—194.

Bauer, Douglas M., to General Electric Co. Blade connection means for power-operated slicing knife. 3,418,713, 12–31–68, Cl. 30—272.

Bauer, Earl J., and C. M. Lents. Process and apparatus for the preparation and dispensing of a beverage. 3,403,523, 10–1–68, Cl. 62—70.

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Bauer, Erich, and F. Reichard, to Osterreichische Mineralolverwaltung Aktiengesellschaft. Apparatus for the utilization of combustible waste gases of refineries or other plants. 3,406,895, 10–22–68, Cl. 230—6.

Bauer, Erwin: *See*—
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Bauer, Eugen, G.m.b.H.: *See*—
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Reinsch, Herbert. 3,391,978.
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Rube, Helmut. 3,363,851.

Bauer, Franz. Combination safety lock. 3,408,835, 11–5–68, Cl. 70—156.
Bauer, Franz, and K. Preissler, to H. L. Naimer. Electromagnetic switch. 3,383,634, 5–14–68, Cl. 335—124.
Bauer, Gordon L., to Advanced Wyrepak Co., Inc. Process for treating wire. 3,391,450, 7–9–68, Cl. 29—528.
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Herzog, Hilmar. 3,396,884.
Bauer, Hans, and J. Heckmaier, to Wacker-Chemie G.m.b.H. Process for suspension polymerization of vinyl chloride. 3,375,238, 3–26–68, Cl. 260—92.8.
Bauer, Herbert, to Radio Corp. of America. Process for preparing a magnetic recording element. 3,418,161, 12–24–68, Cl. 117—161.
Bauer, Howard C., R. G. Bell, and R. D. Mitchell, to Bauer & Associates, Inc. Internal alignment clamp. 3,362,603, 1–9–68, Cl. 228—5.
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Bauer, Myron J., A. G. Blomquist, R. E. Carlberg, G. A. Kane, J. S. Scheurich, and R. C. Wilson, to United States of America, Navy. Guided missile launching system. 3,368,451, 2–13–68, Cl. 89—1.802.
Bauer Ordnance Co.: *See*—
Kiehart, Lawrence R., Doyle, and Walmsley. 3,405,566.
Bauer, Peter, to Bowles Engineering Corp. Interconnection apparatus for fluid systems. 3,366,143, 1–30–68, Cl. 137—798.
Bauer, Peter, to Sperry Rand Corp. Visual readout device for a fluid data processing system. 3,370,906, 2–27–68, Cl. 350—285.
Bauer, Peter, to Bowles Engineering Corp. Throttle valve construction. 3,400,908, 9–10–68, Cl. 251—58.
Bauer, Ralph W., to Pittsburgh Plate Glass Co. Providing low viscosities for aged siliceous slurries. 3,400,002, 9–3–68, Cl. 106—309.
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Bauer, Ronald S., and K. C. Dewhirst, to Shell Oil Co. Method for improving color stability of polysulfones. 3,409,599, 11–5–68, Cl. 260—79.3.
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Ungerer, Fritz. 3,395,559.
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Page, John A., and Bauer. 3,402,027.
Bauer, Werner R.: *See*—
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Rogers, Gilbert, and Bauer. 3,412,225.
Bauer, William. Field game with tire goals. 3,415,522, 12–10–68, Cl. 273—126.
Bauer, William G., to Monsanto Co. Treatment of sulfonamides. 3,367,967, 2–6–68, Cl. 260—556.
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Bauger, Louis J., R. R. C. Beyler, R. J. R. Dubarry-Barbe, M. Pianko, and W. Vesper, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Dual fuel injection device for propulsion motors, more especially for methane-carrying ships. 3,387,462, 6–11–68, Cl. 62—50.
Bauger, Louis J., J. G. Bouiller, M. R. Garnier, and A. J.-B. Lacroix, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Turbojet engines having contra-rotating compressors. 3,391,540, 7–9–68, Cl. 60—226.
Baugh, Charles W., to Huck Mfg. Co. Joint construction. 3,415,553, 12–10–68, Cl. 287—189.36.
Baugh, Charles W., Jr.: *See*—
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Baugh, William F., to Federal-Mogul Corp. Wear sleeve having a gasketing flange and a tapered wall for spacing a cylindrical wear sleeve portion from a rotary member and engine installation incorporating said wear sleeves. 3,391,940, 7–9–68, Cl. 277—58.
Baugher, John D.: *See*—
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Baugher, John D., to The Rowan Controller Co. Constant current regulator and voltage sensing circuit. 3,375,435, 3–26–68, Cl. 323—4.
Baughman, Davis L., and E. F. Pierce, to The Pangborn Corp. Apparatus for use in treating workpieces. 3,418,756, 12–31–68, Cl. 51—14.
Baughman, George W., to Westinghouse Air Brake Co. Movable block vehicle speed control system. 3,361,905, 1–2–68, Cl. 246—187.
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Beach, John M., Cecil, Oglesbee, White, and Ziegler. 3,404,757.
Beach, Janet L., to Clinical Products, Inc. External catheter for male patients. 3,364,932, 1-23-68, Cl. 128—295.
Beach, John M., H. H. Cecil, E. C. Oglesbee, A. R. White, and G. S. Ziegler, to J. M. Beach Mfg., Inc. Automatically operable brake apparatus for trailer vehicle. 3,404,757, 10-8-68, Cl. 188—112.
Beach, Martin D., to Whitmoyer-Reed Ltd. Germicidal compositions. 3,380,923, 4-30-68, Cl. 252—106.
Beach, Mary B.: *See*—
Beach, Willard C. 3,408,790.
Beach, Richard G., and H. R. Jaquith, to Taylor Instrument Co. Relay device with adjustment means. 3,401,573, 9-17-68, Cl. 74—469.
Beach, Robert W.: *See*—
Cox, James P. 3,375,118.
Beach, Theodore L., Jr., to International Harvester Co. Spare tire and wheel assembly carrier device. 3,362,597, 1-9-68, Cl. 224—42.21.
Beach, Willard C., deceased (M. B. Beach, executrix). Lightweight harness. 3,408,790, 11-5-68, Cl. 54—2.
Beacham, Harry H., and L. S. Burnett, to FMC Corp. Polyalkenyl esters of polybasic organic acids plastic composition and methods of manufacture. 3,368,996, 2-13-68, Cl. 260—40.

Beachem, Michael T.: *See*—
Megson, Frederic H., Beachem, and Stockel. 3,417,089.
Beachem, Michael T., and J. C. Oppelt, to American Cyanamid Co. N,N'-bis (acyloxymethyl) urons as finishes for cellulosic textile materials, a textile treated therewith, and a process for manufacturing sald urons. 3,369,931, 2-20-68 Cl. 117—139.4.
Beachler, Edward D., to Beloit Corp. Web drying method and apparatus. 3,370,359, 2-27-68, Cl. 34—18.
Beachner, Charles F. Denture adhesive consisting of pectin and agar. 3,410,704, 11-12-68, Cl. 106—35.
Beacon Machinery, Inc.: *See*—
Fenton, Frank W. 3,403,697.
Beacon Mfg. Co.: *See*—
Hughes, George H. 3,365,918.
Owen, Charles D., Sr. 3,395,065.
Beadle, Anthony C., and R. W. Parrish, to International Standard Electric Corp. Telephone tone ringer. 3,387,097, 6-4-68, Cl. 179—84.
Beaird, Francis M., Jr.: *See*—
Giraitis, Albert P., Kobetz, and Beaird. 3,398,171.
Beaird, Francis M., Jr., and P. Kobetz, to Ethyl Corp. Catalyst composition. 3,391,086, 7-2-68, Cl. 252—431.
Beal, John O.: *See*—
Bresk, Frank C., Gray, and Beal. 3,402,593.
Beal, Philip F., III, and J. E. Pike, to The Upjohn Co. 16α-fluoromethyl-21-fluoro and 21-desoxy compounds of the pregnane series. 3,388,138, 6-11-68, Cl. 260—397.4.
Beal, Richard: *See*—
Burge, Joseph C., and Beal. 3,395,891.
Beal, Robert E., and R. A. Eisenhauer, to United States of America. Agriculture. Production of C18 cyclic acids in aqueous solvent. 3,419,586, 12-31-68, Cl. 260—405.6.
Beal, Stanley: *See*—
Pinder, Harold W., Beal, and Merrill. 3,372,451.
Beale, David L., to International Standard Electric Corp. Pushbutton assembly for operating a switch. 3,366,765, 1-30-68, Cl. 200—172.
Beale, Evelyn S. L. Engine-cylinder pressure indicators. 3,389,599, 6-25-68, Cl. 73—115.
Beale, Julian R. A., A. F. Beer, and K. W. Moulding, to North American Philips Co., Inc. Variable gain transistor structure employing base zones of various thicknesses and resistivities. 3,377,526, 4-9-68, Cl. 317—235.
Beale, Julian R. A., and A. F. Beer, to North American Philips Co., Inc. Low capacity and resistance transistor structure employing a two-conductivity collector region. 3,377,527, 4-9-68, Cl. 317—235.
Beale, Julian R. A., A. F. Beer, and P. C. Newman, to North American Philips Co. Opto-PN junction semiconductor having greater recombination in P-type region. 3,416,047, 12-10-68, Cl. 317—234.
Beall, Glenn L.: *See*—
Sadove, Max S., Ryan, Beall, and Scislowicz. 3,380,448.
Beall, Richard O., and H. M. Bernard, Jr., to United States Steel Corp. Combined doctor means. 3,375,805, 4-2-68, Cl. 118—63.
Beall, William R. Message annunciator or signal unit. 3,419,859, 12-31-68, Cl. 340—381.
Beals, Nelson G., to Uniroyal, Inc. Box or carton, and blank therefor. 3,385,505, 5-28-68, Cl. 229—32.
Beam, Harry A.: *See*—
Alaburda, Raymond D., Beam, Buehler, and Rudy. 3,368,363.
Beam, J., Aerials Ltd.: *See*—
Theakston, John H. 3,404,404.
Beam, Jon W. Cigarette filter. 3,373,750, 3-19-68, Cl. 131—10.5.
Beam, Paul E., Jr.: *See*—
Adams, James H., Beam, and Spears. 3,368,616.
Beam, Paul E., Jr., and E. W. Spears, Jr., to General Motors Corp. Bypass valve for recuperative gas turbines. 3,386,243, 6-4-68, Cl. 60—39.51.
Beaman, Alden G., R. Duschinsky, and W. P. Tautz, to Hoffmann-La Roche, Inc. 1-aliphatic-2-nitroimidazoles. 3,391,156, 7-2-68, Cl. 260—309.
Beaman, J. Alson: *See*—
Wilcox, Richard, and Beaman. 3,396,812.
Beaman, Ralph G., to E. I. du Pont de Nemours and Co. Dyeable polyurethanes and polyamides containing piperazine-based modifiers in the polymer chain. 3,370,044, 2,20,68, Cl. 260—77.5.
Beames, Geoffrey H., to Allied Chemical Corp. Preservation of wood. 3,369,964, 2-20-68, Cl. 167—30.
Bean, Arthur I., to The Fellows Gear Shaper Co. Gear shaper driving means. 3,382,767, 5-14-68, Cl. 90—7.
Bean, Cecil M., and R. H. Oliver, to United Kingdom Atomic Energy Authority. Methods and apparatus for differential thermal analysis. 3,417,604, 12-24-68, Cl. 73—15.
Bean, Claude T., Jr.: *See*—
Dorfman, Edwin, Carr, and Bean. 3,375,267.
Bean, Claude T., Jr., and D. H. Thorpe, to Hooker Chemical Corp. Wax emulsion systems. 3,373,127, 3-12-68, Cl. 260—28.
Bean, James J.: *See*—
Corbett, Burton, and Bean. 3,375,924.
Bean, Kenneth E., and W. R. Runyan, to Texas Instruments Inc. Semiconductor wafer with at least one epitaxial layer and methods of making same. 3,379,584, 4-23-68, Cl. 148—175.
Bean, Rufus C. Folding partition. 3,389,741, 6-25-68, Cl. 160—199.
Bear, Fred B., to Victor Comptometer Corp. Arrowhead attaching means. 3,401,938, 9-17-68, Cl. 273—106.5.
Bear, Fred B., to Victor Comptometer Corp. Takedown archery bow. 3,415,240, 12-10-68, Cl. 124—23.
Bear, Fred B., to Victor Comptometer Corp. Handgrip adapter for archery bow. 3,415,241, 12-10-68, Cl. 124—24.
Bear, Loren. Windmill and pot holder. 3,378,082, 4-16-68, Cl. 170—77.
Bear Mfg. Co.: *See*—
MacMillan, Charles W. 3,365,940.
MacMillan, Charles W. 3,393,455.
MacMillan, Charles W. 3,402,599.
MacMillan, Charles W. 3,402,905.
Bear, Marshall D., H. H. Lane, and R. R. Apgar, Jr. Semiconductor diode microwave pulse generator. 3,366,805, 1-30-68, Cl. 307—261.
Bearce, Wendell E., to Wilmot Engineering Co. Dryer. 3,401,923, 9-17-68, Cl. 263—32.
Beard, Colin C.: *See*—
Cross, Alexander D., and Beard. 3,365,446.
Beard, Colin C., to Syntex Corp. 1-halomethyl-5α-androstanes and -Δ-androstenes and processes for their preparation. 3,371,087, 2-27-68, Cl. 260—239.55.
Beard, Colin C., and A. D. Cross, to Syntex Corp. 6,7-methylene and 6,7-halomethylene pyrazole pregnanes and processes for their preparation. 3,364,203, 1-16-68, Cl. 260—239.5.
Beard, Colin C., and A. D. Cross, to Syntex Corp. 5'-hydroxypregneno[3,2-c]pyrazole derivatives and process for their preparation. 3,365,444, 1-23-68, Cl. 260—239.5.
Beard, Colin C., and A. D. Cross, to Syntex Corp. 16α,17α-dihalomethylene [3,2 - C] pyrazole derivatives of the pregnane series. 3,376,292, 4-2-68, Cl. 260—239.5.
Beard, Colin C., and A. D. Cross, to Syntex Corp. 6,7-halomethylene androstanes and estranes and processes for their preparation. 3,414,592, 12-3-68, Cl. 260—397.4.
Beard, Horace M. Bait holder. 3,400,484, 9-10-68, Cl. 43—44.6.
Beard, Robert R.: *See*—
Reinhart, Joseph E. 3,362,668.
Beardell, Anthony J., and C. J. Grelecki, to United States of America, Navy. Process for the preparation of perchloryl fluoride. 3,404,958, 10-8-68, Cl. 23—203.
Bearden, Charles R., to Dow Chemical Co. 2-hydroxyalkyl acrylate and methacrylate dicarboxylic acid partial esters and the oxyalkylated derivatives thereof. 3,367,992, 2-6-68, Cl. 260—837.
Bearden, Charles R., to The Dow Chemical Co. Copolymer concentrate and oil composition. 3,418,296, 12-24-68, Cl. 260—80.72.
Bearden, Charles R., D. H. Swisher, and D. C. Garms, to The Dow Chemical Co. Rigid polyurethane foams from polyesters and hydroxyl-containing copolymers. 3,404,106, 10-1-68, Cl. 260—2.5.
Bearden, Charles R., D. H. Swisher, and D. C. Garms, to The Dow Chemical Co. Rigid polyurethane foams from polyesters, polyether polyols and hydroxyl-containing copolymers. 3,404,107, 10-1-68, Cl. 260—2.5.
Bearden, Roby, Jr., and L. A. Pine, to Esso Research and Engineering Co. Carboxylation of hydrocarbon resins. 3,376,362, 4-2-68, Cl. 260—888.
Bearden, Roby, Jr., and J. K. Mertzweiller, to Esso Research and Engineering Co. Process for preparing carboxylic acids from olefins. 3,409,648, 11-5-68, Cl. 260—413.
Bearden, William G.: *See*—
Howard, George C., and Bearden. 3,361,204.
Powers, Charles A., and Bearden. 3,366,177.
Beardslee, Howard J., Jr., to The Zeller Corp. Spark plug and process of manufacturing the same. 3,370,331, 2-27-68, Cl. 29—25.12.
Beare, Robert B., and C. R. Hartley, to Borg-Warner Corp. Washing machine drive arrangement. 3,388,568, 6-18-68, Cl. 68—23.
Bearman, Stephen L.: *See*—
Kesslin, George, Bearman, and Lewis. 3,375,268.
Bearss, Henry E. Animal holder and restraining device. 3,368,530, 2-13-68, Cl. 119—99.
Beas, Urban J.: *See*—
Kummerman, Henri, and Beas. 3,389,739.
Beasley, Augustus E., Jr.: *See*—
Cowan, Jack C., Beasley, and Gainey. 3,403,037.
Beasley, Augustus E., Jr., J. C. Cowan, and H. G. Gainey, to National Lead Co. Dispersion of long chain alkyl ammonium humate in organic liquid. 3,379,650, 4-23-68, Cl. 252—308.
Beasley, George A., to Univis, Inc. Method of blocking lenses. 3,417,454, 12-24-68, Cl. 29—468.
Beasley, Harold E.: *See*—
Hanlon, Donald V., and Beasley. 3,397,834.
Beasley, Noel F., to Bennett Respiration Products, Inc. Respiration apparatus for administering intermittent positive pressure breathing therapy. 3,362,404, 1-9-68, Cl. 128—145.8.
Beasley, Noel F., to Puritan Compressed Gas Corp. Respiration apparatus with fluid amplifier. 3,368,555, 2-13-68, Cl. 128—145.8.
Beasley, Noel F., to Puritan Compressed Gas Corp. Apparatus for use in administering intermittent positive pressure breathing therapy. 3,385,295, 5-28-68, Cl. 128—145.8.
Beasley, Noel F., to Puritan Compressed Gas Corp. Spirometer. 3,395,699, 8-6-68, Cl. 128—2.08.

Beasley, Thomas J., Jr., and R. P. Rodenbaugh, to Southern Metal Products Corp. Stop and fastening device for window installations. 3,363,363, 1-16-68, Cl. 49—407.

Beasley, Thomas J., Jr., and R. P. Rodenbaugh, to Southern Metal Products Corp. Sash jamb and balance means. 3,375,610, 4-2-68, Cl. 49—445.

Beasley, Thomas J., Jr., and R. P. Rodenbaugh. Head jamb-weatherstrip interlocking key means. 3,418,754, 12-31-68, Cl. 49—407.

Beasley, Weldon A., to Miracle Products, Inc. Shaving brush device. 3,378,331, 4-16-68, Cl. 401—286.

Beasley, William C., to Union Carbide Corp. Shredded carbonaceous fiber compactions and method of making the same. 3,407,038, 10-22-68, Cl. 23—209.2.,

Beason, Elmer C.: *See*—
Jackson, Charles A., Beason, and Duncan. 3,410,394.

Beason, Elmer C., to Phillips Petroleum Co. Method and apparatus for forming tubes of thermoplastic film. 3,368,930, 2-13-68, Cl. 156—251.

Beason, Elmer C., to Phillips Petroleum Co. Cutting and heat sealing thermoplastic film. 3,408,245, 10-29-68, Cl. 156—515.

Beason, George C., C. J. Drozd, and B. H. Vick, to The National Cash Register Co. Record material feed control. 3,410,385, 11-12-68, Cl. 197—114.

Beatenbough, Paul K., G. E. Richards, P. S. Rogers, and C. A. Scherer, to General Motors Corp. Thermo-mechanical automatic control system for heating and cooling air. 3,377,022, 4-9-68, Cl. 236—13.

Beatie, Robert N.: *See*—
Rorden, Louis H., and Beatie. 3,361,975.

Beato, Carl J. Method and apparatus for making three dimensional contact prints. 3,368,471, 2-13-68, Cl. 95—76.

Beaton, James A.: *See*—
De Man, Heiko T., and Beaton. 3,368,520.

Beaton, John M., to The Upjohn Co. Process for 17α-acetoxy-6-methyl-16-methylene-4,6-pregnadiene-3,20-dione and intermediates therefor. 3,403,171, 9-24-68, Cl. 260—397.4.

Beaton, Joseph R. Water safety collar. 3,414,920, 12-10-68, Cl. 9—316.

Beatrice Foods Co.: *See*—
Dandridge, Gerald W. 3,407,843.
Noznick, Peter P., and Bundus. 3,400,722.
Noznick, Peter P., and Tatter. 3,397,992.

Beatson, Thomas J., F. J. Boyle, B. F. Burch, Jr., R. D. Hunter, and D. W. Scott, to General Electric Co. Address development apparatus for a data processing system. 3,366,932, 1-30-68, Cl. 340—172.5.

Beatson, Thomas J., D. E. Keefer, R. M. Rojko, and J. E. Wilhite, to General Electric Co. Address development apparatus for multi-address instructions. 3,368,204, 2-6-68, Cl. 340—172.5.

Beattie, Clifford G., and V. D. Gumbert, to Allegheny Ludlum Steel Corp. Control system for surface apparatus. Re. 26,365, 3-12-68, Cl. 51—34.

Beattie, John H., to E. I. du Pont de Nemoura and Co. Extrusion apparatus. 3,376,605, 4-9-68, Cl. 18—14.

Beattie, Joseph D. Filtering device and method. 3,391,786, 7-9-68, Cl. 210—67.

Beatty, David L. Telephone accessory for partially disabled persons. 3,384,720, 5-21-68, Cl. 179—162.

Beatty, Earl C., and F. L. Howard, to Kaiser Aluminum & Chemical Corp. Aluminum alloy. 3,370,943, 2-27-68, Cl. 75—142.

Beatty, Harold A.: *See*—
Gluckstein, Martin E., Rifkin, and Beatty. 3,400,082.

Beatty, John W., and G. McNeir, to General Electric Co. Gas-blast circuit breaker. 3,418,440, 12-24-68, Cl. 200—148.

Beatty, Paul E., Sr. Remotely controlled pneumatic skin diver toy. 3,392,483, 7-16-68, Cl. 46—92.

Beatty, Robert H., to Amchem Products, Inc. Method of controlling mesquite. 3,397,049, 8-13-68, Cl. 71—84.

Beaty, Byron E.: *See*—
Ross, Gilbert H. Anderson, and Beaty. 3,401,548.

Beau, Christian and G. Vehicle garage. 3,405,816, 10-15-68, Cl. 214—161.

Beau, Gerard: *See*—
Beau, Christian and G. 3,405,816.

Beaubien, Everett E. Noisemaker and safety device. 3,391,487, 7-9-68, Cl. 46—178.

Beaucamp, Norman A.: *See*—
Washburn, Robert M., Kremer, and Beaucamp. 3,395,105.

Beauchaine, Lawrence J. Game. 3,394,935, 7-30-68, Cl. 273—130.

Beauchamp, William D.: *See*—
Cobbledick, David S., and Beauchamp. 3,395,108.

Beaudette, Alfred J., to Harwood Engineering Co. High pressure packing. 3,371,936, 3-5-68, Cl. 277—117.

Beaudoin, Clifford S., and D. C. Kokkeler. Advertising display device. 3,381,400, 5-7-68, Cl. 40—129.

Beaudouin, Jacques R., to International Telephone and Telegraph Corp. High power transistor structure. 3,419,763, 12-31-68, Cl. 317—234.

Beaudry, John B. ½ to J. R. Beaudry. Injection molding machine with controls for injecting and clamping. 3,380,119, 4-30-68, Cl. 18—30.

Beaudry, John R.: *See*—
Beaudry, John B. 3,380,119.

Beaujard, Louis, and J. Mondot, to Institut de Recherches de la Siderurgie Francaise. Variable size ultrasonic beam producing transducer. 3,416,366, 12-17-68, Cl. 73—71.5.

Beaulieu, Bernard A.: *See*—
Rodgers, Paul D., and Beaulieu. 3,375,517.

Beaulieu, Joseph A. J.: *See*—
Courtenay, Terence H., Gilbert, and Beaulieu. 3,393,307.

Beaumont, David H.: *See*—
Friedman, Arnold I., and Beaumont. 3,384,598.

Beaumont, Ralph H., D. R. Christie, J. Okrepkie, and D. B. Wicker, to Huyck Corp. Supplemental belt in combination with an endless belt in papermaking and method of installing the supplemental belt. 3,399,111, 8-27-68, Cl. 162—199.

Beaunit Corp.: *See*—
Fuzek, John F. 3,419,638.
McClure, Robert L. 3,373,125.

Beauregard, Simon P.: *See*—
Bradley, Richard E., Sankin, Barnes, Beauregard, Murtaugh, Rosenblatt, and Thompson. 3,406,380.

Beausolell, William F., W. A. Clark IV, P. R. Hill, and R. M. Smith, to International Business Machines Corp. File protection to I/O storage. 3,368,207, 2-6-68, Cl. 340—172.5.

Beausolell, William F., W. C. Hoskinson, L. E. King, and H. G. Weber, III, to International Business Machines Corp. Terminal for a multi-data processing system. 3,400,372, 9-3-68, Cl. 340—172.5.

Beausolell, William F., and A. Padegs, to International Business Machines Corp. Instruction address control by peripheral devices. 3,411,143, 11-12-68, Cl. 340—172.5.

Beauvais, Max, and C. Moreau, said Moreau assor. to Societe Financiere et Industrielle des Ateliers et Chantiers de Bretagne. Sterilization apparatus. 3,418,918, 12-31-68, Cl. 99—362.

Beauxis, John O., Jr., to Esso Research and Engineering Co. Measurement of heat content of combustible fuel mixtures. 3,368,401, 2-13-68, Cl. 73—191.

Beauzee, Claude, and F. Desvignes, to North American Philips Co., Inc. Method of manufacturing semiconductor plate using molten zone on powder on a support. 3,382,114, 5-7-68, Cl. 148—186.

Beaver, Commodore E. Padlock and guard assembly. 3,392,555, 7-16-68, Cl. 70—56.

Beaver, Emil R., Jr., and R. G. Ault, to Monsanto Research Corp. Graphite containing segmented thermoelement and method of molding same. 3,391,030, 7-2-68, Cl. 136—203.

Beaver, Garth H.: *See*—
Stacy, Charles L., Jr., and Beaver. 3,415,963.

Beaver Precision Products, Inc.: *See*—
Sears, Richard E. 3,364,757.
Sears, Richard E. 3,369,422.

Beaver, Thomas R.: *See*—
English, Jack A., Van Benthuysen, and Beaver. 3,403,580.

Beaver, William L., to Varian Associates. Fin-supported helical slow wave circuit providing mode separation and suppression for traveling wave tubes. 3,387,168, 6-4-68, Cl. 315—3.5.

Beaver, William L., and T. R. Mullen, to Varian Associates. Backward wave oscillator having an ion collecting probe at the downstream end. 3,364,380, 1-16-68, Cl. 315—3.5.

Beaver, William L., and T. R. Mullen, to Varian Associates. Band edge oscillation suppression techniques for high frequency electron discharge devices incorporating slow wave circuits. 3,397,339, 8-13-68, Cl. 315—3.5.

Beavers, Bobby R., and N. J. Meyer, to Ling-Temco-Vought, Inc. Momentum transducer. 3,418,546, 12-24-68, Cl. 317—246.

Beavers, Dorothy J., and G. K. Edmonds to Eastman Kodak Co. Diffusion transfer system. 3,396,018, 8-6-68, Cl. 96—29.

Beavers, Joseph H.: *See*—
O'Callaghan, James A., Beavers, and Shoafstall. 3,389,374.

Beavers, Joseph H., J. A. O'Callaghan, and E. F. Shoafstall. Pressure indicator device. 3,377,851, 4-16-68, Cl. 73—146.5.

Beavers, Robert G.: *See*—
Ammer, Robert C., Beavers, Ferrari, and Rabone. 3,409,250.

Beavers, William O., to El Paso Natural Gas Products Co. Olefin polymerization with a potassium-amine-activated carbon catalyst. 3,375,294, 3-26-68, Cl. 260—683.15.

Beazer, Charles W., to Phillips Petroleum Co. Storage and transportation of cold liquids. 3,386,257, 6-4-68, Cl. 62—45.

Beazer, Charles W., and C. I. Taverner, to Phillips Petroleum Co. Safety trip device for valves on mobile tanks. 3,406,700, 10-22-68, Cl. 137—39.

Beazley, William E.: *See*—
Campbell, John, Beazley, Benn, and Grandin. 3,376,154.

Bebb, Richard H., to Rolinx Ltd. Bottle crates. 3,416,694, 12-17-68, Cl. 220—21.

Beber, Oral L.: *See*—
Folkins, Hillis O., and Beber. 3,413,152.

Bebout, Donald R., to The Mead Corp. Container and hanger bar. 3,369,652, 2-20-68, Cl. 206—7.

Bechard, Emile. Method and means for desalinization. 3,369,977, 2-20-68, Cl. 203—11.

Bechard, Emile, 50% to R. G. LeVaux. Rotary multi-compartment distillation drum having radially adjustable outlet to vary thickness of liquid layer. 3,396,088, 8-6-68, Cl. 202—238.

Bechberger, Paul F., J. A. Howe, and M. Brown, to United States of America, Atomic Energy Commission. Portable timing mechanisms. 3,377,871, 4-16-68, Cl. 74—3.54.

Becher, Heinz-Manfred, R. Sehring, and K. Zeile, to C. H. Boehringer Sohn. 2-ethoxy-methyl-4,6-dinitro-phenol. 3,419,620, 12-31-68, Cl. 260—611.

Becher, Manfred, R. Sehring, and K. Zelle, to C. H. Boehringer Sohn. Novel process for the preparation of 2,4-dinitro-6-chlorometbyl-phenol. 3,389,184, 6-18-68, Cl. 260—622.
Bechik Products, Inc.: *See*—
Anderson, John D. 3,393,410.
Bechler, Andre. Attachment on automatic lathe. 3,407,705, 10-29-68, Cl. 90—56.
Bechler & Arant: *See*—
Weber, Franz K., and Williams. 3,387,129.
Bechman, William H., and J. O. Winsor, to Westinghouse Air Brake Co. Suspension unit. 3,387,840, 6-11-68, Cl. 267—64.
Becht, Guenter: *See*—
Senkpiel, Werner, Dachs, Wilhelm, Wagner, Becht, and Werst. 3,387,995.
Bechtel International Corp.: *See*—
Dickinson, Ben W. O., III. 3,407,122.
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Moehlenpah, Walter G., and Bechtel. 3,362,277.
Bechtold, Johann, to Adrian & Busch K.G. Schuhmaschinenfabrik. Machines for roughing the overlasted portions of shoe uppers. 3,400,561, 9-10-68, Cl. 69—6.5.
Beck, Albrecht: *See*—
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Beck, Alexander, to National Research Council. Method of making P-N junctions by hydrothermally growing. 3,377,209, 4-9-68, Cl. 148—1.5.
Beck, Alfred C., and G. E. Conklin, to Bell Telephone Laboratories, Inc. Gaseous lenses employing catalytic combustion. 3,388,957, 6-18-68, Cl. 350—179.
Beck, Alfred C., G. E. Conklin, and A. R. Hutson, to Bell Telephone Laboratories, Inc. Gas lens for optical frequency range using two or more gases having unequal refractive indices. 3,400,993, 9-10-68, Cl. 350—179.
Beck, Arnold A., to Carrier Corp. Thermoelectric refrigeration control means. 3,367,124, 2-6-68, Cl. 62—93.
Beck, Carl A.: *See*—
Switliski, Vincent S., Yoder, and Beck. 3,383,834.
Beck, Charles, Machine Corp.: *See*—
Switliski, Vincent S., Yoder, and Beck. 3,383,834.
Beck, Clemenz: *See*—
Riedel, Anton, and Beck. 3,383,069.
Beck, Curt B.: *See*—
Dobbin, Rollins E., and Beck. 3,372,041.
Beck, David W. Boat ventilator. 3,366,028, 1-30-68, Cl. 98—37.
Beck, Earl H., Jr., and B. J. Cimmini, to Container Corp. of America. End closure for lined carton. 3,416,717, 12-17-68, Cl. 229—14.
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Beck, Ferdinand K., to Wiener Schwachstromwerke Gesellschaft m.b.H. Automatic control system. 3,414,657, 12-3-68, Cl. 13—13.
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Beck, Fritz, and L. Schuster, to Badische Anilin Soda Fabrik Aktiengesellschaft. Hydrogenation of carbon-carbon multiple bonds in the liquid phase. 3,407,227, 10-22-68, Cl. 260—537.
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Beck, Hans. Guiding arrangement for material to be wrapped between moving foils. 3,406,494, 10-22-68, Cl. 53—372.
Beck, Harold R. Electrical box assembly and mounting bracket. 3,365,156, 1-23-68, Cl. 248—205.
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Beck, Herbert H., to Armour and Co. Apparatus and methods for treating cheese with anti-spoilage agents. 3,390,001, 6-25-68, Cl. 99—162.
Beck, Jacob H., to BTU Engineering, Inc. High temperature electrical heating unit. 3,375,319, 3-26-68, Cl. 13—25.
Beck, Jacob H., to BTU Engineering Corp. Furnace with variable effective insulation. 3,405,924, 10-15-68, Cl. 263—41.
Beck, Jacob H., to BTU Engineering Corp. Furnace muffle. 3,410,544, 11-12-68, Cl. 263—41.
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Beck, Roland D., to Robertshaw Controls Co. Vacuum control system with a relay valve construction. 3,362,428, 1-9-68, Cl. 137—387.
Beck, Roland D., to Robertshaw Controls Co. Washing machine system or the like. 3,381,503, 5-7-68, Cl. 68—12.
Beck, Roland D., to Robertshaw-Controls Co. Unbalance valve with lid reset. 3,398,346, 8-20-68, Cl. 318—460.
Beck, Roland D., and R. A. Palmer, to Robertshaw Controls Co. Liquid level control system. 3,362,427, 1-9-68, Cl. 137—387.
Beck, Roland D., E. F. Smock, and R. W. Houser, to Robertshaw Controls Co. Pneumatic programmer. 3,367,152, 2-6-68, Cl. 68—12.
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Beckenstein, Leonard A., to The Singer Co. Cam apparatus for independent needle knitting machines. 3,405,542, 10-15-68, Cl. 66—38.
Beckenstein, Leonard A., to The Singer Co. Method and apparatus for knitting tie-in fleece fabrics. 3,406,538, 10-22-68, Cl. 66—9.
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Becker, Earl L. Lawnmower edger attachment. 3,407,579, 10-29-68, Cl. 56—256.
Becker, Earl M., and J. H. Bepler, to Mine Safety Appliances Co. Battery-operated pumping unit for gas analysis. 3,391,570, 7-9-68, Cl. 73—23.
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Becker, Floyd K., to Bell Telephone Laboratories, Inc. Transistor switching modulators and demodulators. 3,401,359, 9–10–68, Cl. 332—16.
Becker, Floyd K., and D. M. P. Eisenlohr, to Bell Telephone Laboratories, Inc. Circuit for measuring telegraphic signal impairment. 3,391,249, 7–2–68, Cl. 178—69.
Becker, Floyd K., L. N. Holzman, E. Port, and H. R. Rudin, Jr., to Bell Telephone Laboratories, Inc. Automatic mean-square equalizer. 3,403,340, 9–24–68, Cl. 325—42.
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Becker, Frederick R., III, to West Virginia Pulp and Paper Co. Tag feeding device. 3,406,627, 10–22–68, Cl. 101—232.
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Becker, Otto, and J. Biebricher, to Rheinstahl Henschel A.G. Extrusion nozzle for plastic materials. 3,390,432, 7–2–68, Cl. 18—12.
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Becker, Rudolf, to Linde Aktiengesellschaft. Process and installation for the removal of easily condensable components from gas mixtures. 3,364,686, 1–23–68, Cl. 62—14.
Becker, Rudolf, to Linde Aktiengesellschaft. Process and apparatus for impurity removal from hydrogen-containing gases. 3,372,555, 3–12–68, Cl. 62—13.
Becker, Rudolf, to Linde A. G. Prepurification of gas mixtures before separation thereof by low temperature rectification. 3,375,674, 0–2–68, Cl. 62—13.
Becker, Rudolf, to Linde Aktiengesellschaft. Engine expansion of liquefied gas at below critical temperature and above critical pressure. 3,383,873, 5–21–68, Cl. 62—11.
Becker, Rudolf, to Linde Aktiengesellschaft. Crossflow countercurrent heat exchanger with inner and outer-tube sections made up of closely packed coaxially nested layers of helicoidally wound tubes. 3,403,727, 10–1–68, Cl. 165—160.
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Deutsch, Marshall E. 3,368,783.
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Heimlich, Henry J., and Russo. 3,394,702.
Keller, George H. 3,366,103.
Keller, George H. 3,375,825.
Keller, George H. 3,406,686.
May, Edwin A. 3,406,685.
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Abildgaard, William H. 3,372,799.
Abildgaard, William H. 3,406,746.
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Bede, James R. Airfoil construction. 3,400,904. 9–10–68, Cl. 244—124.

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Bedenk, William T.: *See*—
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Bedford, Alan, to Hawker Siddeley Dynamics Ltd. Missile control system with a remote display of missile and target for obtaining control signals. 3,415,465, 12–10–68, Cl. 244—3.14.

Bedford, Beryl A. Animal skinner. 3,403,421, 10–1–68, Cl. 17—21.

Bedford, Burnice D.: *See*—
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Bedford, Burnice D., to General Electric Co. Power circuits which are inherently capable of inverter operation. Re. 26,342, 2–13–68, Cl. 321—44.

Bedford, Burnice D., and G. W. Kessler, to General Electric Co. High voltage transformer type heater for heating fluids. 3,414,698, 12–3–68, Cl. 219—10.51.

Bedford, James R., Jr. Simulated visual instrument-approach system. 3,415,946. 12–10–68, Cl. 178—6.8.

Bedford, Timothy J. Water craft. 3,397,670. 8–20–68, Cl. 115—70.

Bedford, William A., Jr., to Republic Industrial Corp. Molded threaded article. 3,361,174, 1–2–68. Cl. 151—7.

Bedi, Ram D., to M & T Chemicals Inc. Wax stopoff composition and process. 3,390,060. 6–25–68, Cl. 204—15.

Bedi, Ram D., to M & T Chemicals Inc. Cathodic protection of titanium surfaces. 3,412,060, 11–19–68. Cl. 204—147.

Bedi, Ram D., and G. Dubpernell, to M & T Chemicals Inc. Method of stop-off of cathode pieces in chromium plating baths. 3,415,723. 12–10–68, Cl. 204—15.

Bedil, Fahir, to The English Electric Co. Ltd. Voltage regulated polyphase auto transformer. 3,374,426, 3–19–68, Cl. 323—45.

Bedingfield, Robert C., to Bell Telephone Laboratories, Inc. Sample and hold circuit using an operational amplifier and a high impedance buffer connected by a switched diode capacitor circuit. 3,363,113. 1–9–68. Cl. 307—238.

Bedini, Stefania. Electric candle. 3,400,359, 9–3–68, Cl. 339—25.

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Bednarski, Thaddeus E., to The Black and Decker Mfg. Co. Reversible electric switch with laterally-extending reversing member for use in portable electric tool or appliance. 3,376,402, 4–2–68, Cl. 200—157.
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Bedocs, Michael F., to Indak Mfg. Corp. Terminal construction for electrical switches or the like. 3,372,365, 3–5–68, Cl. 339—186.
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Beduhn, Norman A., to Taste Master, Inc. Meat brushing device. 3,394,421, 7–30–68, Cl. 15—3.1.
Beebe, Norman P., I. W. Wase, Jr., and D. G. Stone, to Anaconda Wire and Cable Co. Continuous coating apparatus. 3,396,699, 8–13–68, Cl. 118—634.
Beebe, William B., and J. J. Miller, to McGraw-Edison Co. Commercial washing machine. 3,407,635, 10–29–68, Cl. 68—207.
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Beecham Research Laboratories Ltd.: *See*—
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Beeken, Basil B., to Pitney-Bowes, Inc. Fluid amplifier. 3,378,023, 4–16–68, Cl. 137—81.5.
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Beeler, Charles F. Air conditioning system. Re. 26,430, 7–6–68, Cl. 165—16.
Beeler, Charles F. Air conditioning system. 3,366,165, 1–30–68, Cl. 165—22.
Beeman, Robert H., to E. I. du Pont de Nemours and Co. Polyvinyl alcohol plasticized with 2,2-diethyl-1,3-propanediol. 3,366,592, 1–30–68, Cl. 260—33.4.
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Beer, Arthur O., and G. H. Kling, to Westinghouse Air Brake Co. Vehicle test bed. 3,418,849, 12–31–68, Cl. 73—117.
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Beers, Raymond L., to AAI Corp. Powder dispenser. 3,404,810, 10–8–68, Cl. 222—82.
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Beesley, Robert L., J. W. Mighton, and R. H. Matthias, to The Dow Chemical Co. Plastic tote case and method of making same. 3,362,576, 1–9–68, Cl. 220—97.
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Beffa, Fabio, and E. Steiner, to J. R. Geigy A.G. Water-soluble, unsymmetrical chromium-containing azo dyestuffs. 3,391,132, 7–2–68, Cl. 260—145.
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Beggs, Donald, to Midland-Ross Corp. Furnace vestibule having a movable ceiling. 3,381,947, 5–7–68, Cl. 266—4.
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Behney, Charles A. Veterinary ophthalmic applicator. 3,392,725, 7-16-68, Cl. 128—249.

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Behnke, Robert C., to Springaire Corp. Humidifier. 3,409,219, 11-5-68, Cl. 237—78

Behnke, Wallace R., and C. R. R. Wolfanger, to C. G. Conn, Ltd. Sound reproducing system. 3,410,947, 11-12-68, Cl. 84—1.01.

Behnke, William C., and H. E. Doorenbos, to The Dow Chemical Co. N,N,N'-trifluoro-formamidine. 3,393,238, 7-16-68, Cl. 260—564.

Behr, Erich, and R. Beckmann, to Dynamit Nobel Aktiengesellschaft. Preparation of cross-linkable polyolefin compositions. 3,372,139, 3-5-68, Cl. 260—41.

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Behrens, Milton D., to Texaco Inc. Internal combustion engine system for exhaust emissions control. 3,406,515, 10-22-68, Cl. 60—30.

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Beier, Friedrich. Ski binding. 3,375,017, 3-26-68, Cl. 280—11.35.

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Bellman, John L., to Cornell Aeronautical Laboratory, Inc. Airspeed indicating apparatus. 3,400,584, 9-10-68, Cl. 73—182.

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Belsswenger, Heinrich, and B. De Temple. Process and device for the discharge of fission gases from nuclear fuel elements. 3,406,094, 10-15-68, Cl. 176—79.

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Belart, Juan, and G. Schrader, to Alfred Teves Maschinen- und Armaturenfabrik K.G. Tandem brake master cylinder. 3,415,060, 12-10-68, Cl. 60—54.6.

Belasco, Melvin, B. W. Howeth, D. D. Martin, and P. T. Wende, to Texas Instruments Inc. Gallium arsenide semiconductor device and contact alloy therefor. 3,371,255, 2-27-68, Cl. 317—237.

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Belcher, Samuel L., D. O. Biglin, J. R. Grothjan, and C. E. Koeniger, to Owens-Illinois, Inc. Plastic container. 3,395,826, 8-6-68, Cl. 220—60.

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Belden Corp.: *See*—
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Prifogle, John S., and Vail. 3,397,383.

Belder Trust: *See*—
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Belentepe, Yilmaz C., and A. Carmi, to Corning Glass Works. Cooling arrangement for glass forming equipment. 3,404,974, 10-8-68, Cl. 65—319.

Belew, Leland W., to The Mosler Safe Co. Modular interior storage safe. 3,371,627, 3-5-68, Cl. 109—53.

Belew, Leland W., to The Mosler Safe Co. Security file. 3,418,951, 12-31-68, Cl. 109—59.

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McKelvey, John B., Berni, and Benerito. 3,382,030.

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Benjamin, Milton L., and F. E. Winnen, to Erickson Tool Co. Mist coolant spade drill. 3,364,800, 1–23–68, Cl. 77—68.
Benjamin, Milton L., F. E. Winnen, and R. F. Bluhm, to Erickson Tool Co. Fluid motor and control valve assembly therefor. 3,364,823, 1–23–68, Cl. 91—420.
Benjamin, Milton L., and D. D. Walker, to Erickson Tool Co. Collet chuck. 3,365,204, 1–23–68, Cl. 278—51.
Benjamin, Milton L., and D. D. Walker, to Erickson Tool Co. Chuck. 3,370,859, 2–27–68, Cl. 279—119.
Benjamin, Milton L., and D. D. Walker, to Erickson Tool Co. Quick change chuck. 3,380,746, 4–30–68, Cl. 279—91.
Benjamin, Milton L., and D. D. Walker, to Erickson Tool Co. Collet chuck. 3,383,606, 5–28–68, Cl. 279—49.
Benjamin, Milton L., and D. D. Walker, to Erickson Tool Co. Cushioning cylinder for index fixtures and the like. 3,406,596, 10–22–68, Cl. 74—821.
Benjamin, Milton L., and D. D. Walker, to Erickson Tool Co. Fluid motor and control valve assembly therefor. 3,411,415, 11–19–68, Cl. 91—420.
Benken, Henry v. d., to Compo Shoe Machinery Corp. Lasting machine with adhesive applicator. 3,390,411, 7–2–68, Cl. 12—7.
Benkert, Carl A., Jr., to Isabel Scott Fabrics Corp. Pleated curtain construction. 3,369,589, 2–20–68, Cl. 160—84.
Benkert, Irwin G., to Selas Corp. of America. Tube support. 3,378,064, 4–16–68, Cl. 165—67.
Benmore, Stanley H., to Holley Carburetor Co. Carburetor. 3,372,912, 3–12–68, Cl. 261—36.
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Campbell, John, Beazley, Benn, and Grandin. 3,376,154.
Benn, Walter R., to G. D. Searle & Co. Optionally substituted hydrazones of 3-oxygenated pregna-5,17(20)-dien-21-als. 3,361,743, 1–2–68, Cl. 260—239.5.
Benn, Walter R., to G. D. Searle & Co. 3-oxygenated spiro [androstene-17,1′-cycloprop-2′-ene], 2′,3′-dihydro derivatives corresponding and intermediates thereto. 3,364,238, 1–16–68, Cl. 260—397.3.
Bennati, Edmo, to R. Glimpel. Collet chuck. 3,379,446, 4–23–68 Cl. 279—51.
Benner, Charles E., to Air Reduction Co., Inc. Lens retaining unit. 3,411,158, 11–19–68, Cl. 2—8.
Benner, Jon E.: *See*—
Fullerton, Hal B., Jr., Webb, and Benner. 3,373,823.
Benner-Nawman, Inc.: *See*—
Nawman, Rollie B. 3,391,256.
Benner, Roland G. Process for preparing aminophenol. 3,383,416, 5–14–68, Cl. 260—575.
Benner, Stanley G.: *See*—
Maddox, Robert E., Hengstler, and Benner. 3,374,075.
Bennert, William H., E. L. Bailey, and P. A. Martin, to Riegel Paper Corp. Apparatus for preforming and assembling lids and trays. 3,412,526, 11–26–68, Cl. 53—289.
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Chanal, Roger. 3,411,453.
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Bennet, Arthur M., to Erdle Perforating Co. Adjustable feed assembly. 3,368,437, 2–13–68, Cl. 83—244.
Bennetch, Leonard M., to Chas. Pfizer Co., Inc. Process for the preparation of iron oxide. 3,395,983, 8–6–68, Cl. 23—200.
Bennetch, Leonard M., to Chas. Pfizer & Co., Inc. White iron phosphate. 3,407,034, 10–22–68, Cl. 23—105.
Bennett, Alan J., to Tinnerman Products, Inc. Fastening device. 3,366,000, 1–30–68, Cl. 85—72.
Bennett, Alan J., to Tinnerman Products, Inc. Self-threading nut with thread-engaging ribs. 3,387,642, 6–11–68, Cl. 151—7.
Bennett, Alan J., to Tinnerman Products, Inc. Snap-action fastening devices. 3,412,437, 11–26–68, Cl. 24—73.
Bennett, Charles H. Trim attachment for power boats. 3,399,643, 9–3–68, Cl. 114—66.5.
Bennett, Clifton F., and D. W. Goheen, to Crown Zellerbach Corp. Preparation of sulfones by electrolytic oxidation. 3,418,224, 12–24–68, Cl. 204—78.
Bennett, Cyril F., and C. S. Etherton, to N.V. Tools Ltd. Apparatus for detecting or measuring the conductivity of a liquid. 3,410,292, 11–12–68, Cl. 137—93.
Bennett, Donald A., to The International Synthetic Rubber Co. Ltd. Process for preparing modified alkyo resins having increased resilience and resistance to cracking. 3,375,214, 3–26–68, Cl. 260—22.
Bennett, Donald A., and E. Armishaw, to The English Electric Co. Ltd. Laminated magnetic core structures. 3,368,178, 2–6–68, Cl. 336—217.
Bennett, Douglas M. Upholstered furniture. 3,380,777, 4–30–68, Cl. 297—440.
Bennett, Edward D. Method of making a die set. 3,402,623, 9–24–68, Cl. 76—107.
Bennett, Edward D. Punching apparatus. 3,417,643, 12–24–68, Cl. 83—146.
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Otey, Felix H., Bennett, and Mehltretter. 3,405,080.
Bennett, Floyd M., to Lundy Electronics & Systems, Inc. Method and apparatus for disposal of waste liquid and solid material. 3,405,409, 10–15–68, Cl. 4—142.
Bennett, Frank P., to General Aniline & Film Corp. Slide changing device. 3,373,518, 3–19–68, Cl. 40—79.
Bennett, Frank P., to General Aniline & Film Corp. Previewing means for projectors. 3,387,535, 6–11–68, Cl. 88—24.
Bennett, Harold E., to United States of America, Navy. Instrument for measuring absolute reflectance and transmittance at cryogenic temperatures. 3,402,634, 9–24–68, Cl. 88—14.
Bennett, Howard P.: *See*—
Wade, Ricardo H., Welch, and Bennett. 3,395,971.
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Bardell, Ralph V. 3,376,996.
Bardell, Ralph V. 3,415,403.
Gasbarra, Anthony J., and Godshalk. 3,371,817.
Goldshalk, Alva J. 3,389,828.
Goldshalk, Alva J., Shankland, and Yates. 3,387,749.
Shankland, Ronald B., Sr. 3,386,617.
Bennett, Jack C., and C. A. Seckerson, to United-Carr Inc. Moulding clip. 3,403,881, 10–1–68, Cl. 248—361.
Bennett, Jack W., to The Alliance Mfg. Co., Division of Consolidated Electronics Industries Corp. Apparatus for maintaining the effective signal strength of a transmitter. 3,364,427, 1–16–68, Cl. 325—105.
Bennett, James C.: *See*—
Benton, Virgil K., and Bennett. 3,410,606.
Bennett, James C., to Electro Chemical Industries, Inc. Composite vehicle wheel and method of making the same. 3,399,930, 9–3–68, Cl. 301—65.
Bennett, James F., to International Harvester Co. Trailer hitch. 3,366,402, 1–30–68, Cl. 280—512.
Bennett, James F., to International Harvester Co. Locking pin. 3,398,800, 8–27–68, Cl. 172—753.
Bennett, James G., Jr.: *See*—
Dubusker, William, Robertson, Oliver, Bennett, and Schmidt. 3,375,570.
Bennett, James R., to Evans Products Co. Bulkhead. 3,413,932, 12–3–68, Cl. 105—376.
Bennett, John: *See*—
Fileger, Eugene W., and Bennett. 3,411,236.
Bennett, John D., to Sun Oil Co. Apparatus for wellbore telemetering. 3,407,886, 10–29–68, Cl. 175—27.
Bennett, John E., and W. G. Montgomery, to Jeffrey Galion Mfg. Co. Mining machine cutting chain. 3,378,308, 4–16–68, Cl. 299—84.
Bennett, John H., to Consolidated Electrodynamics Corp. Magnetic recording dynamic range compressor/expander system. 3,379,839, 4–23–68, Cl. 179—100.2.
Bennett, John V.: *See*—
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Bennett, Kathleen I.: *See*—
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Reynolds, Robert J. 3,407,799.
Bennett, Leslie N., to Maxant Button & Supply Co. Upholstery button. 3,388,436, 6–18–68, Cl. 24—94.
Bennett, Lewis W., and J. C. Sims, Jr., to Mohawk Data Sciences Corp. Document transport device. 3,392,893, 7–16–68, Cl. 226—74.
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Bennett, Richard D., and M. D. 3,367,280.
Bennett, Maurice R., to English Electric Valve Co. Ltd. Electrostatic electron lenses with telescopically adjustable tubular elements. 3,364,372, 1–16–68, Cl. 313—85.

Bennett, Milton C., to J. I. Case Co. Eccentric sensing mechanism. 3,415,325, 12-10-68, Cl. 172—7.
Bennett, Raymond G., to Novo Industrial Corp. Dual stage fuel filter and filter assembly head. 3,390,780, 7-2-68, Cl. 210—338.
Bennett Respiration Products, Inc.: *See*—
Beasley, Noel F. 3,362,404.
Bennett, Reuel W., P. L. Salvatori, and C. J. Black, to Obrig Laboratories, Inc. Ophthalmometer and method of measuring curvature of a cornea. 3,404,936, 10-8-68, Cl. 351—6.
Bennett, Richard D., and M. D., to Royal Industries, Inc. Pump. 3,367,280, 2-6-68, Cl. 103—218.
Bennett, Richard W.: *See*—
Abramson, Paul, Bederman, Bennett, Chin, Krakinowski, Stilwell, and Winchell. 3,369,219.
Abramson, Paul, Bennett, and Stilwell. 3,362,013.
Bennett, Richard W., and H. Y. Juliusburger, to International Business Machines Corp. Method and apparatus for rejecting noise in a data transmission system. 3,366,930, 1-30-68, Cl. 340—172.5.
Bennett, Richard W., M. Krakinowski, and G. R. Stilwell, Jr., to International Business Machines Corp. Hermetically sealed coded rotary switch. 3,371,336, 2-27-68, Cl. 340—347
Bennett, Robert H., Jr., to Douglas Aircraft Co., Inc. Thermally expandable barrier structure. 3,368,318, 2-13-68, Cl. 52—618.
Bennett, Robert P., and W. B. Hardy, to American Cyanamid Co. Process for preparing isocyanates. 3,370,078, 2-20-68, Cl. 260—453.
Bennett, Robert W., to Corning Glass Works. Positioning apparatus. 3,364,628, 1-23-68, Cl. 51—227.
Bennett, Robert W., and W. S. Blanding, to Corning Glass Works. Cathode ray tube envelopes and methods of preparing parts therefore and fabricating such envelopes. 3,369,881, 2-20-68, Cl. 65—58.
Bennett, Robert W., and L. G. Sprague, to Corning Glass Works. Metallic members for insertion into glass. 3,417,274, 12-17-68, Cl. 313—89.
Bennett, Roswell J., to Union Carbide Corp. Battery powered signal unit. 3,403,249, 9-24-68, Cl. 240—10.63.
Bennett, Russell B.: *See*—
Rice, Hal H., and Bennett. 3,389,215.
Bennett, Sterling J., and G. P. Anderson, to Thiokol Chemical Corp. Method and test assembly for testing viscoelastic materials. 3,399,562, 9-3-68, Cl. 73—37.
Bennett, William D.: *See*—
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Bennett, William N., to Fitchburg Paper Co. Paper stock flow control apparatus. 3,367,829, 2-6-68, Cl. 162—336.
Bennett, William N., to Fitchburg Paper Co. Scale-type apron for headboxes. 3,394,048, 7-23-68, Cl. 162—343.
Bennett, William N., to Skisearch, Inc. Three-dimensional surface for skis and the like. 3,408,086, 10-29-68, Cl. 280—11.13.
Bennie, David G., and T. R. Jones, Jr., to E. I. du Pont de Nemours and Co. Melt-spinning polyester filaments. 3,372,218, 3-5-68, Cl. 264—169.
Benning, Anton, and R. Novotny, to Bergwerksverband G.m.b.H. Process for the production of carboxylic acid esters in the presence of a fluidized catalyst bed. 3,364,251, 1-16-68, Cl. 260—475.
Benning, Calvin J., to W. R. Grace & Co. Method of increasing the tensile strength of a cross linked ethylene polymer by compression. 3,394,214, 7-23-68, Cl. 264—321.
Benning, Calvin J., and C. B. Lundsager, to W. R. Grace & Co. Process for making matte surfaces. 3,361,704, 1-2-68, Cl. 260—33.6.
Bennison, Michael N., to W. J. Clarkson, Ltd. Threading of sewing machine needles. 3,400,678, 9-10-68, Cl. 112—225.
Benoit, Forrest. Crab press. 3,388,422, 6-18-68, Cl. 17—2.
Benoit, George J., Jr., to Chevron Research Co. Preparation of mixed alkenyl succinimides. 3,401,118, 9-10-68, Cl. 252—51.5.
Benoit, Gerard, Ferdy and Franz Mayer, and P. Thomas. Electrical connector. 3,868,186, 2-6-68, Cl. 339—253.
Benoit, Louis. Fishing tackle dropaway sinker. 3,391,482, 7-9-68, Cl. 43—43.12.
Benoit, Roland A., to Suburban Mfg. Corp., Inc. Invalid lifting and supporting device. 3,394,933, 7-30-68, Cl. 272—70.4.
Benrus Watch Co., Inc.: *See*—
Lazrus, Julian, Strauss, and Canning. 3,370,414.
Bens, Everett M., to United States of America, Navy. Light extending product and process. 3,362,378, 1-9-68, Cl. 116—124.
Bensema, Eugene E., and A. R. Weber, to United States Steel Corp. Strip tension control for a rolling mill. 3,399,556, 9-3-68, Cl. 72—21.
Bensimon, Jean-Claude: *See*—
Ratkevich, Adam E., Bensimon, and Naylor. 3,363,253.
Bensinger, Wolf-Dieter, to Daimler-Benz Aktiengesellschaft. Fan arrangement for cooling of internal combustion engine. 3,394,682, 7-30-68, Cl. 123—41.12.
Bensley, John T.: *See*—
Laube, Herbert L., and Bensley. 3,383,495.
Wyman, Harry E., and Bensley. 3,408,503.
Benson, Arthur L., W. J. Smith, and N. F. Surprenant, to United States of America, Atomic Energy Commission. Aerosol filter test device. 3,392,573, 7-16-68, Cl. 73—38.
Benson, Bernard S.: *See*—
Brown, David A., and Benson. 3,390,460.
Benson, Burton A., to Minnesota Mining and Mfg. Co. Resin coated single fibers for molding compositions. 3,403,069, 9-24-68, Cl. 161—170.
Benson, Burton A., to The Rauland Corp. Method of preparing a slurry coating composition. 3,409,559, 11-5-68, Cl. 252—301.3.
Benson, Carl F., and J. H. Cowles, to The Torrington Co. Sheet metal roller cage for clutch. 3,404,760, 10-8-68, Cl. 192—45.
Benson, Ernest J., to Air Reduction Co., Inc. Process of preparing and packaging frozen avocados. 3,398,001, 8-20-68, Cl. 99—193.
Benson, Ernest J., D. G. Dykstra, and R. C. Webster, to Air Reduction Co., Inc. Quick freezing of raspberries. 3,377,172, 4-9-68, Cl. 99—193.
Benson, Eugene G., and J. W. O'Neil. Electric motor construction. 3,391,291, 7-2-68, Cl. 310—90.
Benson, Glendon M., to Physics International Co. Fuel injector-ignitor system for internal combustion engines. 3,391,680, 7-9-68, Cl. 123—139.
Benson, Glendon M., to Physics International Co. Thermal underground penetrator. 3,396,806, 8-13-68, Cl. 175—11.
Benson, Glendon M., to Physics International Co. Fuel injector-ignitor system for internal combustion engines. 3,418,980, 12-31-68, Cl. 123—32.
Benson, Gustav E.: *See*—
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Benson, Gustav E., to Owens-Corning Fiberglas Corp. Fluid nozzle for texturing yarns. 3,381,346, 5-7-68, Cl. 28—1.
Benson, Gustav E., to Owens-Corning Fiberglas Corp. Apparatus and process for making bulky yarn. 3,388,444, 6-18-68, Cl. 28—72.
Benson, Gustav E., to Owens-Corning Fiberglas Corp. Apparatus for bulking yarn. 3,402,446, 9-24-68, Cl. 28—1.
Benson, Gustav E., to Owens-Corning Fiberglas Corp. Method and apparatus for handling strand. 3,409,195, 11-5-68, Cl. 226—7.
Benson, Gustav E., to Owens-Corning Fiberglas Corp. Fancy yarn. 3,411,287, 11-19-68, Cl. 57—140.
Benson, Herbert L., Jr.: *See*—
Hardesty, Donald E., and Benson. 3,409,680.
Benson, Herbert L., Jr., and G. S. Mill, to Shell Oil Co. Lithium carbonate steam conversion to LiOH in iodinative dehydrogenation process. 3,391,217, 7-2-68, Cl. 260—683.3.
Benson, Howard F., to General Dynamics Corp. Filtered wave-energy corner-reflector. 3,374,044, 3-19-68, Cl. 350—102.
Benson, Jack J.: *See*—
Jones, John F., Benson, and Williams. 3,363,413.
Benson, Jewell R. Method for soil stabilization with improved emulsion asphalt. 3,399,608, 9-3-68, Cl. 94—23.
Benson, John O., to General Mills, Inc. Crumb coating machine. 3,408,980, 11-5-68, Cl. 118—19.
Benson, John O., and C. Morrison, to General Mills, Inc. Continuous deep fat fryer. 3,380,375, 4-30-68, Cl. 99—404.
Benson, Lawrence P., and T. A. Reedy, Jr., to Bally Mfg. Corp. Subpanel elevating means for apparatus cabinets. 3,401,992, 9-17-68, Cl. 312—27.
Benson, Robert N. Visual indicator device. 3,363,347, 1-16-68, Cl. 40—28.
Benson, Royal H., to Monsanto Co. Heat stabilized polybenzimidazoles. 3,408,336, 10-29-68, Cl. 260—78.4.
Benson, Warren E., Jr., to Kingsbury Technology Inc. Capacitor test cell, incorporated in a conveyor bed for conveying large bulky heavy individual pieces, for the capacitive measurement of moisture in said pieces while supported on said bed. 3,399,344, 8-27-68, Cl. 324—61.
Bensussan, Andre, G. Vincent, and R.-J. Warnecke, Jr. Apparatus including secondary emission means for neutralizing an ion beam. 3,363,124, 1-9-68, Cl. 313—63.
Bensussan, Andre M., and Y. Papillon. Plasma gun having a hydrogen storing reservoir. 3,389,289, 6-18-68, Cl. 313—180.
Bent, Arnold H., to Okanagan Turbo Sprayers Ltd. Angularly adjustable outlet members for agricultural spraying apparatus. 3,384,305, 5-21-68, Cl. 239—77.
Bent, Arthur J.: *See*—
Berkoben, Charles W., Hutchinson, and Bent. 3,365,005.
Bent, John H., to Hamilton Co., Inc. Wire stretcher and straightener. 3,388,726, 6-18-68, Cl. 140—147.
Bent, John H. Expansible plug for fluid systems. 3,399,801, 9-3-68, Cl. 220—24.
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Walker, Frederick J., and Bent. 3,401,982.
Walker, Frederick J., and Bent. 3,401,986.
Bentele, Max, to Curtiss-Wright Corp. Rotary combustion engine with precombustion chamber. 3,387,595, 6-11-68, Cl. 123—8.
Bentjens, Bernd, to Fa. Wilhelm Fette Prazisionswerkzeug-Fabrik. Hob. 3,374,518, 3-26-68, Cl. 29—103.

Bentley, Chester A., Jr., to Dresser Industries, Inc. Vacuum coating apparatus. 3,394,679, 7-30-68, Cl. 118—49.
Bentley, Donald J.: *See*—
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Bentley Engineering Co. Ltd., The: *See*—
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Peberdy, Roland. 3,380,265.
Peberdy, Roland. 3,402,575.
Wainwright, Carlyle H. 3,397,554.
Wood, Gillies. 3,397,556.
Bentley, Floyd E.: *See*—
Lichtenwalter, Myrl, and Bentley. 3,366,633.
Bentley, Floyd E., to Jefferson Chemical Co., Inc. Mixtures of methylene-bridged polyphenyl polyisocyanates. 3,362,979, 1-9-68, Cl. 260—453.
Bentley, Floyd E., to Jefferson Chemical Co., Inc. Purification of hydroxyalkyl carbamates. 3,393,227, 7-16-68, Cl. 260—482.
Bentley, Gustavus A., J. H. Bradfute, and V. L. Pelckll, to Federal-Mogul Corp. Small joint. 3,365,213, 1-23-68, Cl. 280—95.
Bentley, Harold A.: *See*—
Tungate, William H., and Bentley. 3,361,072.
Bentley, John D. Mechanical sequential control system. 3,399,698, 9-3-68, Cl. 137—624.15.
Bentley, John G., to Rockwell Mfg. Co. Plane. 3,407,857, 10-29-68, Cl. 145—4.
Bentley, John M., and W. H. Watson, to Westinghouse Electric Corp. Tension member position regulating system utilizing a variable limiter. 3,419,771, 12-31-68, Cl. 318—6.
Bentley, William, and R. Blood, to William Cotton Ltd. Straight bar knitting machine with electromagnetic selection. 3,370,443, 2-27-68, Cl. 66—82.
Bentley, William, and N. H. Small, to William Cotton Ltd. Straight bar knitting machines. 3,379,035, 4-23-68, Cl. 66—88.
Bentley, William, and E. Start, to William Cotton Ltd. Production of articles on straight bar knitting machines. 3,389,580, 6-25-68, Cl. 66—89.
Bently, George K.: *See*—
Gerweck, Leonard J., Bently, and Mathis. 3,369,375.
Bento, Julio C. S. da Silva. Device for directly measuring the ratio between a fluid flow and a rotary speed. 3,380,295, 4-30-68, Cl. 73—114.
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Mathews, Victor M., Jr., and Benton. 3,419,710.
Benton, Joseph H.: *See*—
Chipperfield, Philip N. J., and Benton. 3,403,095.
Benton, Robert C., to Chemcut Corp. Positioning apparatus with controls employing resistor increments. 3,384,797, 5-21-68, Cl. 318—18.
Benton, Robert C., to Chemcut Corp. Method and apparatus for uniformly etching printed circuits by control of the conveyor speed. 3,401,068, 9-10-68, Cl. 156—3.
Benton, Robert C., to Chemcut Corp. Method and means for continuous control of etching rate. 3,419,446, 12-31-68, Cl. 156—3.
Benton, Robert C., and B. W. Heffner, to Chemcut Corp. Continuous etching machine having a controlled conveyor speed. 3,388,023, 6-11-68, Cl. 156—345.
Benton, Virgil K., and J. C. Bennett, to Electro Chemical Industries, Inc. Composite vehicle wheel and method of making the same. 3,410,606, 11-12-68, Cl. 301—65.
Bentov, Itzhak E. Means and method of converting fibers into yarn. 3,394,540, 7-30-68, Cl. 57—58.95.
Bentsen, Thomas V., to Jydsk Varmekedelfabrik A/S. Safety valve. 3,379,207, 4-23-68, Cl. 137—251.
Bentz, Charles E., and S. J. Przybylko, to United States of America, Air Force. Device for sensing distortion in the inlet of a propulsion system. 3,392,585, 7-16-68, Cl. 73—388.
Bentzen, Donald W., and D. J. West, to Holley Carburetor Co. Differential pressure signal device. 3,366,758, 1-30-68, Cl. 200—82.
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Janssen, John E., and Benz. 3,376,512.
Benz, Donald E., D. A. Doughty, and S. J. Tibbetts, to Honeywell Inc. Ultraviolet gas analysis apparatus and detector circuit integrating means having both short and long constants. 3,384,746, 5-21-68, Cl. 250—43.5.
Benz, Hans, to Sulzer Bros. Ltd. Turbine-type machine. 3,362,628, 1-9-68, Cl. 230—120.
Benz, Hans, to Sulzer Brothers Ltd. Turbine-type machine construction. 3,367,627, 2-6-68, Cl. 253—39.
Benz, Jakob, and K. Brennelsen, to Sandoz Ltd. (a/k/a Sandoz AG.). Reactive copper complex monoazo dyes containing pyrazolone and polyhalopyrimidylamino groups. 3,362,949, 1-9-68, Cl. 260—147.
Benz, Jakob, and A. Schweizer, to Fidelity Union Trust Co. Water-soluble reactive disazo dyes. 3,366,621, 1-30-68, Cl. 260—146.
Benzel, Howard A., to Automatic Sprinkler Corp. of America. Carrying bag. 3,410,376, 11-12-68, Cl. 190—44.
Benzel, Howard A., and S. J. Strzelec, to "Automatic" Sprinkler Corp. Disposable urine container. 3,403,410, 10-1-68, Cl. 4—110.
Benziger, Theodore M., L. W. Kissinger, and H. E. Ungnade, to United States of America, Atomic Energy Commission, β-Di and trinitro carbonates and method for their production. 3,396,187, 8-6-68, Cl. 260—463.
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Kornicker, Walter A., Benzing, and Perry. 3,394,156.
Benzinger, Theodor H. Quick disconnect for thermocouples. 3,416,973, 12-17-68, Cl. 136—235.
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Benzon-Petersen, Boye D., to AB Akerlund & Rausing. Compound package. 3,385,430, 5-28-68, Cl. 206—65.
Benzuly, Harold J., to Warwick Electronics Inc. Horizontal sweep circuit. 3,396,237, 8-6-68, Cl. 178—7.3.
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Berenbaum, Morris B., to Thiokol Chemical Corp. Di-schiff bases of hydroxyl substituted diamines and B-diketones, derivatives, and metal chelates thereof. 3,388,141, 6-11-68, Cl. 260—439.
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Berenbaum, Morris B., J. R. Panek, and L. Citarel, to Thiokol Chemical Corp. Tri and tetra mercapto compounds as cross-link control agents for polysulfide elastomers. 3,402,134, 9-17-68, Cl. 260—18.
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Berg, Milton. Sheet securing means with sheet inserted and removed axially of cylinder. 3,384,014, 5–21–68, Cl. 101—415.1.
Berg, Quentin. Pin connector. 3,362,008, 1–2–68, Cl. 339—258.
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Berg, Quentin. Assembly for transistor manufacture. 3,418,-089, 12–24–68, Cl. 29—193.5.
Berg, Ralph R. Building system. 3,369,334, 2–20–68, Cl. 52—227.
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Bergen, George J., and A. H. Singer, to United States of America, Navy. Accumulation means for reduction of sputter in gas-filled, Lyman-Alpha source tube. 3,374,383, 3–19–68, Cl. 313—207.
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Berger, Abe, to General Electric Co. Method for making organosilanes. 3,362,977, 1–9–68, Cl. 260—448.2.
Berger, Abe, to General Electric Co. Organosilicon compounds and method of manufacture. 3,390,162, 6–25–68, Cl. 260—448.
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Berger, Abe, to General Electric Co. Method for making organosiloxane hydrides. 3,419,592, 12–31–68, Cl. 260—448.2.
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Berger, Julius, and R. Duschinsky, to Hoffmann-La Roche Inc. Controlling fungi with 5-fluorocytosine. 3,368,938, 2–13–68, Cl. 167—58.
Berger, Julius, R. W. Kierstead, R. A. Lemahieu, and B. Tabenkin, to Hoffmann-La Roche, Inc. Preparation of hydroxy-cyclopentenones. 3,415,716, 12–10–68, Cl. 195—51.
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Berger, Leo, A. Stempel, L. H. Sternbach, and E. Wenis, to Hoffmann-La Roche Inc. Aminophenyl heterocyclic ketones. 3,398,159, 8–20–68, Cl. 260—326.5.

Berger, Leo, A. Stempel, L. H. Sternbach, and E. Wenis, to Hoffmann-La Roche Inc. Heterocyclic intermediates. 3,400,-128, 9-3-68, Cl. 260—256.4.

Berger, Leo, A. Stempel, L. H. Sternbach, and E. Wenis, to Hoffman-La Roche Inc. Novel 3H-1,4 benzodiazepin-2-(1H)-ones. 3,405,122, 10-8-68, Cl. 260—239.3.

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Berger, Leo, and A. J. Corraz, to Hoffmann-La Roche, Inc. 5-(3-pyridylethyl)pyridoindole derivatives. 3,409,628, 11-5-68, Cl. 260—296.

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Berger, Louis, D. Broida, and L. F. Bressler, to Sigma Chemical Co. Colorimetric determination of creatine phosphokinase. 3,403,077, 9-24-68, Cl. 195—103.5.

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Berger, Richard M., and R. C. Sproull, to American Filtrona Corp. Process for making stable elongated elements. 3,377,220, 4-9-68, Cl. 156—62.2.

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Bergere, Emric W. Twelve-lobe fastener. 3,400,626, 9-10-68, Cl. 85—9.

Bergeron, Alfred L., and W. S. Sterling, to Pneumatic Scale Corp. Closure feeding and transferring device. 3,415,037, 12-10-68, Cl. 53—308.

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Bergh, Arndt B., and C. W. Near, to Hewlett-Packard Co. Read only memory. 3,381,279, 4-30-68, Cl. 340—173.

Berghaus, Bernhard, and M. Staesche. Method and means for treating articles on all sides. 3,389,070. 6-18-68, Cl. 204—177.

Berghaus, Donald G., A. N. Garthwaite, and H.-L. Tiao, to International Business Machines Corp. Compound radius transducer head. 3,416,148, 12-10-68, Cl. 340—174.1.

Berghgracht, Marius. Installations for the manufacture of large-capacity bags. 3,374,714, 3-26-68, Cl. 93—8.

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Bergier, Andre, and J. Robert, to Badische Aniline & Soda-Fabrik A.G. Production of acetylene. 3,381,051, 4-30-68, Cl. 260—679.

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Berglind, Karl L., to Alfa-Laval AB. Teat cup liner. 3,401,-672, 9-17-68, Cl. 119—14.49.

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Berglund, Wilhelm A. Safety valve system for brake lines. 3,408,119, 10-29-68, Cl. 303—84.

Bergman, Bengt A., and K. R. Nordin. Stand for thread bobbins, in particular for sewing machines in clothing producing workshops. 3,411,681, 11-19-68, Cl. 225—38.

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Bergman, Johan E. H., and N. E. Haglund, to Forsvarets Fabriskverk. Recoil-free weapon. 3,380,340, 4-30-67, Cl. 89—1.703.

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Bergman, Raymond W.: *See*—
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Bergman, Richard J.: *See*—
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Bergman, Rudolph, to King-Seeley Thermos Co. Hydraulic-electric temperature control. 3,408,506, 10-29-68, Cl. 307—117.

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Bettinger, Stephen L. Fastener nut, quick action. 3,393,598, 7–23–68, Cl. 85—33.
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Bettis, Edward S., to United States of America, Atomic Energy Commission. Molten salt breeder reactor and fuel cell for use therein. 3,403,076, 9–24–68, Cl. 176—18.
Bettis, Edward S., and J. H. Westsik, to United States of America, Atomic Energy Commission. Fast burst neutronic reactor. 3,385,759, 5–28–68, Cl. 176—49.
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Betts, Peter, D. R. Reichel, and E. T. Eiselen, to International Business Machines Corp. Electrographic, printer. 3,419,884, 12–31–68, Cl. 346—74.
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Beurtheret, Charles A. E., to Compagnie Francaise Thomson Houston-Hotchkiss Brandt. Vaporization system having improved feed liquid recirculating means. 3,375,868, 4–2–68, Cl. 165—105.

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Beurtheret, Charles A. E., to Compagnie Francaise Thomson Houston-Hotchkiss Brandt. Two-stage cooling system for heat machine components. 3,390,667, 7–2–68, Cl. 123—8.

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Beuscher, William B. Pipe cleaner, cigarette holder, and ash tray combination. 3,387,614, 6–11–68, Cl. 131—232.

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Beutel, Helmuth K., A. D. Markum, and C. W. O'Donnell, to General Dynamics Corp. Manually-operated closed-cycle refrigeration system. 3,418,824, 12–31–68, Cl. 62—474.

Beuther, Harold, and B. K. Schmid, to Gulf Research & Development Co. Residue desulfurization with catalyst whose pore volume is distributed over wide range of pore sizes. 3,383,301, 5–14–68, Cl. 208—216.

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Bickner, Clarence T. Ornamental bow making apparatus. 3,365,160, 1–23–68, Cl. 248—349.

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Bidwell, Robert E., and S. Mishkin, to Deknatel Inc. Underwater drainage apparatus. 3,363,627, 1–16–68, Cl. 128—276.

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Bieckert, Ernst, R. Kallischnigg, and K. Gensel, to Knoll A.G. Organic peroxides. 3,419,577, 12–31–68, Cl. 260—338.

Biedermann, Friedrich: *See*—
Wick, Richard, Biedermann, Winkler, Bestenreiner, Kiper, Pawlik, Von Sybel, Von Wasielewski, and Wagner. 3,418,904.

Biedermann, Friedrich, E. von Wasielewski, and J. von Albedyll, to Agfa-Gevaert Aktiengesellschaft. Exposure control for photographic cameras. 3,416,421, 12–17–68, Cl. 95—10.

Biedermann, Walter: *See*—
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Biedermann, Walter, and E. Steiner, to J. R. Geigy, A.G. Chromium-containing dyestuffs containing a monoazo and a diazo dyestuff. 3,374,219, 3–19–68, Cl. 260—145.

Biedess, Anthony R., to Westinghouse Air Brake Co. Means for steering an unattended vehicle along a trench.. 3,397,-651, 8–20–68, Cl. 104—244.1.

Biedess, Anthony R., to Westinghouse Air Brake Co. Load transfer device. 3,411,676, 11–19–68, Cl. 222—410.

Biega, Boleslaw C., and A. J. Hauck, to Sola Basic Industries, Inc. Voltage regulating system with an inductive potential divider including a magnetic amplifier. 3,405,348, 10–8–68, Cl. 323—89.

Biegler, Hanns, and G. Kallrath, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for producing silica in the form of hollow spheres. 3,383,172, 5–14–68, Cl. 23—182.

Biehl, Arthur T., and R. Mainhardt, to MB Associates. Pistol for firing a miniature ballistic rocket. 3,412,641, 11–26–68, Cl. 89—1.812.

Biehl, Heinrich. Rearing device for animals, especially for piglets. 3,380,438, 4–30–68, Cl. 119—22.

Biehl, Heinrich. Process for feeding domestic animals, especially pigs. 3,386,418, 6–4–68, Cl. 119—51.

Biehl, Heinrich. Apparatus for preparing and distributing a forage pulp for feeding livestock. 3,403,824, 10–1–68, Cl. 222—176.

Biehl, James A., to Marathon Oil Co. Coking process with polymerization of the liquid products. 3,389,074, 6–18–68, Cl. 208—53.

Biehn, Gerald L., and R. T. Palmer, to Westinghouse Electric Corp. Low ambient controls for heat pumps. 3,381,489, 5–7–68, Cl. 62—160.

Biel, John H., and J. E. Robertson, to Colgate-Palmolive Co. Heterocyclicaminoalkylguanidines. 3,364,220, 1–16–68, Cl. 260—293.

Biel, John H., and E. J. Warawa, to Aldrich Chemical Co., Inc. N-aryl-N'-cyclopropyl-ethylene diamine derivatives. 3,365,-458, 1–23–68, Cl. 260—294.8.

Biel, John H., and E. J. Warawa, to Aldrich Chemical Co., Inc. Substituted pyridines. 3,409,629, 11–5–68, Cl. 260—297.

Biel, John H., and E. J. Warawa, to Aldrich Chemical Co., Inc. Substituted pyridines. 3,413,298, 11–26–68, Cl. 260—295.

Biel, John H., H. B. Hopps, and H. Bader, to Aldrich Chemical Co., Inc. 2-methylene-3-quinuclidones. 3,384,641, 5–21–68, Cl. 260—294.7.

Bielawa, Frank R.: *See*—
MacSorley, Olin L., and Bielawa. 3,372,269.

Bielefeldt, Irvin P., to Alco Standard Corp. Door assembly for heat treating furnaces. 3,410,547, 11–12–68, Cl. 266—5.

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Bielert, Hans-Georg, to Stephan-Werke G.m.b.H. & Co. Method and apparatus for punching blanks from webs of sheetlike material. 3,405,880, 10–15–68, Cl. 242—56.8.

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Bielstein, Walter J., to Esso Production Research Co. Cementing multiple tubingless completions. 3,363,688, 1–16–68, Cl. 166—21.

Bielstein, Walter J., to Esso Production Research Co. Rock bit dullness indicator. 3,363,702, 1–16–68, Cl. 175—39.

Bielstein, Walter J., and L. G. Rawl, to Esso Production Research Co. Process and system for the recovery of viscous oil. 3,386,508, 6–4–68, Cl. 166—11.

Bien, Alfred A., to Chrysler Corp. Identification plate. 3,383,-784, 5–21–68, Cl. 40—2.2.

Bien, Alfred A., and R. M. Gerweck, to Chrysler Corp. Releasable steering column clamp. 3,373,965, 3–19–68, Cl. 248—226.

Bien, Alfred A., and A. J. Lavich, to Chrysler Corp. Sliding joint member and structure. 3,415,140, 12–10–68, Cl. 74—492.

Bien, Hans-Samuel, W. Hohmann, and H. Vollmann, to Farbenfabriken Bayer Aktiengesellschaft. Trisulphonated anthraquinone reactive dyestuffs substituted in the 1- and 4-positions by amine groups. 3,408,345, 10–29–68, Cl. 260—240.

Bienaime, Daniel L. C. M., to Hydraulica. Multiple- or variable-speed motors notably hydraulic motors with monitoring system and its applications. 3,375,756, 4–2–68, Cl. 91—175.

Bienert, Walter B., and F. M. Gillen, to Martin-Marietta Corp. Process of making Mn_4Si_7 thermoelectric element and product of said process. 3,407,037, 10–22–68, Cl. 23—204.

Bienhoff, Milton G., and E. J. Schneberger, to The Bunker-Ramo Corp. Data processing apparatus. 3,364,471, 1–16–68, Cl. 340—172.5.

Bienko, Walter J., to Carrier Corp. Fluid motor control means and method. 3,390,526, 7–2–68, Cl. 60—102.

Bienstock, Daniel, R. L. Amsler, and E. R. Bauer, Jr., to United States of America, Interior. Method of burning coal. 3,382,822, 5–14–68, Cl. 110—28.

Bier, Edmund. Artist's easel. 3,416,764, 12–17–68, Cl. 248—452.

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Bier, Gerhard, and H.-E. Konermann, to Dynamit Nobel Aktiengesellschaft. Process for the post chlorination of polymers of vinyl chloride using radiation. 3,362,896, 1–9–68, Cl. 204—159.18.

Bierbaum, Robert E., and E. V. Martin, to Eastman Kodak Co. Process for stretching polypropylene filaments. 3,413,-997, 11–26–68, Cl. 264—290.

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Bieri, David, and E. S. Cola, to National Gypsum Co. Gypsum wallboard and method for producing same. 3,389,042, 6–18–68, Cl. 161—41.

Bieri, Leonard: *See*—
Offutt, Elmer B., and Bieri. 3,406,803.

Bieri, Rudolf H., to United States of America, Navy. Hermetically sealing water sampler. 3,367,190, 2–6–68, Cl. 73—425.4.

Bierlich, Johannes H. Concealed hinge for door, window and similar turnable frames. 3,368,237, 2–13–68, Cl. 16—164.

Bierman, Clarence R., and W. A. Fourier, to American Can Co. Homogeneous blend of uncured butyl and cured chlorobutyl rubbers. 3,402,220, 9–17–68, Cl. 260—888.

Bierman, Eric, R. Gagnier, and R. Kenedi, to Northern Electric Co. Ltd. Number translator. 3,399,279, 8–27–68, Cl. 179—18.

Bierman, Eugene, ⅛ to Mark T. Bassechès. Variable radix counter and programmable sequential timing device. 3,396,-250, 8–6–68, Cl. 200—35.

Biermann, David, to Hartzell Propeller, Inc. Constant speed and reversible aircraft propeller. 3,380,535, 4–30–68, Cl. 170—160.2.

Bieschke, Hilliard J., to Knox Mfg. Co. Tripod lock for movie screen stand. 3,417,952, 12–24–68, Cl. 248—171.

Biesecker, Donald L., to Illinois Tool Works Inc. Plastic fastener. 3,378,219, 4–16–68, Cl. 248—220.5.

Bieser, Albert H., to Recognition Equipment, Inc. Character identity decision generation. 3,417,372, pub. 12–17–68, Cl. 340—146.3.

Bieser, Carl O. Corn Buttering device. 3,396,697, 8–13–68, Cl. 118—76.

Biesma, Louw A., to North American Philips Co., Inc. Dry-shaving apparatus having shaving locking means. 3,399,-453, 9–3–68 Cl. 30—43.6.

Biet, Jean-Pierre, to Compagnie Generale d'Electricite. Static circuit breaker having a semiconductor component. 3,416,-009, 12–10–68, Cl. 307—299.

Biet, Jean-Pierre, and J. Chaupit. Device for line scanning in a television receiver using a single gate symmetrically conducting turn-on turn-off five layer semiconductor device. 3,381,161, 4–30–68, Cl. 315—27.

Biet, Jean-Pierre, and C. Dufour, to Compagnie Generale d'Electricite. Delay line having a thermoelectric generator responsive to rate of heat transfer. 3,397,370, 8–13–68, Cl. 333—29.

Bieze, Jakob J.: *See*—
Smulders, August H. M., Bieze, Hage, and Splinter. 3,372,907.

Biffani, Raffaele. Structural members for building construction. 3,396,499, 8–13–68, Cl. 52—127.

Biffle, Joe L., to Esso Production Research Co. Automatic refill and temperature compensation device for hydraulic systems. 3,376,738, 4–9–68, Cl. 73—141.

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Parker, Jack. 3,385,195.
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Wenger, Harvey M. 8,380,477.

Big Three Industrial Gas & Equipment Co.: *See*—
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Bigelow, Charles G., Jr., S. Bumble, J. C. Maginn, F. L. Schauermann, and C. R. Wilt, Jr., to Selas Corp. of America. Jet cooling of strip metal. 3,370,648, 2–27–68, Cl. 165—120.

Bigelow, Cheney, Wire Works Inc.: *See*—
Stanton, Vincent A. 3,392,942.

Bigelow, Herbert L., and A. W. Kammerer, Jr., to Baker Oil Tools, Inc. Discontinuous set well packers. 3,393,742, 7–23–68, Cl. 166—123.

Bigelow, James H., J. M. Hart, R. Hyink, J. A. Quaal, A. C. Snowdon, and M. R. Swinehart, to Cutler-Hammer, Inc. Hermetically sealed power contactor completely adjusted before enclosed in a plural part housing. 3,368,172, 2–6–68, Cl. 335—124.

Bigelow, John H., to E. I. du Pont de Nemours and Co. Method of stabilizing the background in light developable silver halide emulsions using thiazole containing compounds. 3,418,131, 12–24–68, Cl. 96—109.

Bigelow, John H., and C. R. Burt, to E. I. du Pont de Nemours and Co. Amine borane as fogging agent in direct positive. 3,361,564, 1–2–68, Cl. 96—64.

Bigelow-Liptak Corp.: *See*—
Jones, Robert W. 3,366,375.

Bigelow-Sanford, Inc.: *See*—
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Parlin, David B., and Mitchell. 3,394,043.
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Benderly, Asaf A., and Biggar. 3,368,924.
Biggar, Allan M., to United States of America, Army. Laminated thin film flexible alkaline battery. 3,375,136, 3–26–68, Cl. 136—6.
Bigge, Henry W.: *See*—
Whitmire, William A., and Webber. 3,387,860.
Bigge, William B., and G. A. Roupe, to General Electric Co. Nuclear reactor fuel bundle. 3,382,153, 5–7–68, Cl. 176—40.
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Kelly, Thomas E., and Bigger. 3,374,855.
Biggins, Robert B., ½ to L. E. O'Brien. Food container and utensil housing. 3,381,876, 5–7–68, Cl. 229—1.5.
Biggs, Lawrence M., Jr., to United States of America, Navy. Linear shaped charge chemical agent disseminator. 3,382,800, 5–14–68, Cl. 102—6.
Biggs, Lawrence M., Jr., to United States of America, Navy. Flexible line delivery method and device for chemical and incapacitating agents. 3,408,935, 11–5–68, Cl. 102—4.
Biggs, Millard R. Acoustical control device. 3,382,947, 5–14–68, Cl. 181—30.
Biginelli, Oreste. Method and press for manufacturing tubular blanks for making containers therefrom. 3,394,578, 7–30–68, Cl. 72—254.
Biginelli, Oreste. Extractor for drawing presses. 3,415,099, 12–10–68, Cl. 72—290.
Bigioli, John C.: *See*—
Simon, Arthur, Shirk, and Bigioli. 3,388,379.
Biglin, Duane O.: *See*—
Belcher, Samuel L., Biglin, Grothjan, and Koeniger. 3,395,826.
Bigot, Johan A.: *See*—
Garritsen, Johan W., and Bigot. 3,389,134.
Bigot, Johan A., J. Van Mourik, and J. Van Beveren, to Stamicarbon N.V. Anionic polymerization of lactams. 3,376,698, 4–23–68, Cl. 260—78.
Bigot, Johan A., and P. L. Kerkhoffs, to Stamicarbon N.V. Process for preparing ω-lactams. 3,391,137, 7–2–68, Cl. 260—239.3.
Bihlmaier, Oskar, to Voigtlander A.G. Photographic camera with disengageable electronic flash unit. 3,383,994, 5–21–68, Cl. 95—11.5.
Bijerk, Albert H.: *See*—
Vollbracht, Leo, Bijerk, and Iedema. 3,418,356.
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Luethi, Christian, Biland, and Duennenberger. 3,397,205.
Luethi, Christian, Biland, and Duennenberger. 3,415,875.
Luethi, Christian, Biland, Schellenbaum, and Duennenberger. 3,407,201.
Biland, Hans R., C. Luethi, and M. Duennenberger, to Ciba Ltd. Aryl-1,3,5-triazine derivatives. 3,415,824, 12–10–68, Cl. 260—248.
Bildahl, Richard L.: *See*—
Erickson, Karl H., and Bildahl. 3,390,557.
Bildat, Benno: *See*—
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Lauzon, James N., Sandner, and Bildsoe. 3,361,247.
Bildusas Vytautas E., to Swift & Co. Adhesive. 3,375,121, 3–26–68, Cl. 106—146.
Bilek, Andrew G., to United States of America, Air Force. Explosive projector for projectiles. 3,404,600, 10–8–68, Cl. 89—8.
Bilek, Jan: *See*—
Svaty, Vladimir, and Bilek. 3,370,618.
Biles, James R.: *See*—
Brennan, Wendell E., and Biles. 3,375,829.
Faria, James M., and Biles. 3,402,061.
Biletch, Harry A., and J. V. Rajunas, Jr., to American Plastic & Chemical Corp. Preparation of benzalacetophenone. 3,361,827, 1–2–68, Cl. 260—590.
Bilger, Xavier, to Etablissements Kuhlmann. Process for reacting phosphonitrile chlorides with methanol and ammonia. 3,394,205, 7–23–68, Cl. 260—973.
Bilhorn, John M., to The Electric Storage Battery Co. Hermetic seal closure. 3,380,857, 4–30–68, Cl. 136—133.
Bilinski, Thomas, Jr., and J. M. McGowan. Pin and pin-setting assembly. 3,419,213, 12–31–68, Cl. 235—60.
Bilisoly, Julius P.: *See*—
Segura, Marnell A., and Bilisoly. 3,404,130.
Billarant, Jean. Method for producing yielding strips provided with elongated hooks or loops. 3,363,038, 1–9–68, Cl. 264—145.
Billarant, Jean. Flexible band fitted with hooked elements of the filament type. 3,365,757, 1–30–68, Cl. 24—204.
Billarant, Jean. Machine for the manufacture of flexible bands fitted with hooked elements. 3,372,080, 3–5–68, Cl. 156—435.
Billarant, Jean, to Velcro S.A. Hook and loop fastener. 3,417,440, 12–24–68, Cl. 24—204.
Bille, Glen R., to Snyder Mfg. Co., Inc. Glove mandrel. 3,363,284, 1–16–68, Cl. 18—41.
Billek, Gerhard, to Etapharm chem. pharm. Laboratorium Gesellschaft m.b.H. Hyaluronic acid preparation and method of producing same. 3,396,081, 8–6–68, Cl. 195—7.
Billenstein, Paul F. Implement attaching means. 3,405,825, 10–15–68, Cl. 214—778.
Biller, William F.: *See*—
Gross, George P., Biller, Greene, and Kearby. 3,370,914.
Billerbeck, Fred W., to Gerber Products Co. Process of preparing a fruit gel. 3,367,783, 2–6–68, Cl. 99—131.
Billerbeck, Wilfred J., Jr., and J. B. Oakes, to United States of America, Navy. Charge control system for satellite batteries. 3,387,199, 6–4–68, Cl. 320—32.
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Billesbach, Mary D. and F. M. 3,377,121.
Billesbach, Mary D. and F. M. Soap pouch assembly. 3,377,121, 4–9–68, Cl. 401—7.
Billeter, Henry R., and A. B. Nelson, to Sloan Valve Co. Flush valve including adjustable restriction. 3,399,860, 9–3–68, Cl. 251—40.
Billi, Giorgio. Circular knitting machine for manufacture of stockings. 3,399,551, 9–3–68, Cl. 66—108.
Billig, Frederick S.: *See*—
Dugger, Gordon L., and Billig. 3,386,249.
Billig, Frederick S., and S. E. Grenleski, Jr., to United States of America, Navy. Cooled leading edge. 3,369,782, 2–20–68, Cl. 244—117.
Billig, Jules, and R. Schleeweiss, to Bilnor Corp. Oval swimming pool. 3,409,916, 11–12–68, Cl. 4—172.
Billin, Arthur G., and W. L. Remley, to Ritter Pfaudler Corp. Air cushioned wheeled base. 3,407,896, 10–29–68, Cl. 180—119.
Billingham, Carroll A., and K. W. Daring, to Belvedere Products, Inc. Tiltable beautician's chair. 3,384,414, 5–21–68. Cl. 297—328.
Billings, Marcus J.: *See*—
Love, William D., Jr., and Billings. 3,389,923.
Billings, Miro, to Rexall Drug and Chemical Co. Apparatus for extruding seamless plastic tubing. 3,387,331, 6–11–68, 18—14.
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Billingsley, Robert J., K. T. Hanlon, and C. K. Loebig. Ferromagnetic core wiring fixture. 3,381,357, 5–7–68, Cl. 29—203.
Billington, Evans R., to The Bastian Blessing Co. Excess flow check valve. 3,379,213, 4–23–68, Cl. 137—515.5.
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Yurcick, Peter A., and Bills. 3,410,818.
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Bilocq, Georges A., to Torano Limitee. System for electromechanically feeding wood logs into shafts. 3,417,854, 12–24–68, Cl. 198—24.
Bilow, Norman, and L. J. Miller, to United States of America, Air Force. Copolymers of phenol, HCHO,2,7-dihydroxynaphthalene and KOH. 3,391,117, 7–2–68, Cl. 260—57.
Bilson, Frank L., and R. F. Isted, to Jack The Yeoman Sales Ltd. Hypodermic darts. 3,396,660, 8–13–68, Cl. 102—92.
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Willich, Jean H. 3,365,033.
Bilstein, August, KG: *See*—
Hausmann, Erwin. 3,399,882.
Bilton, John, to Fluidrive Engineering Co. Ltd. Fusible plug assemblies for hydraulic turbo-couplings. 3,377,957, 4–16–68, Cl. 103—115.
Bilton, John, to Fluidrive Engineering Co. Ltd. Two-speed gears. 3,380,319, 4–30–68, Cl. 74—718.
Bilton, John, to Fluidrive Engineering Co. Ltd. Hydraulic turbo couplings. 3,388,552, 6–18–68, Cl. 60—54.
Bily, Peter J., to FMC Corp. Fluid transferring apparatus. 3,382,893, 5–14–68, Cl. 137—615.
Bily, Peter J., to FMC Corp. Apparatus for handling liquid cargo. 3,409,055, 11–5–68, Cl. 141—387.
Bimler, Rudolf. Jointed splint for the treatment of fractures especially leg fractures. 3,417,748, 12–24–68, Cl. 128—85.
Bina, Robert A., to Sperry Rand Corp. Automatic packing and unpacking of ESI transfers. 3,387,280, 6–4–68, Cl. 340—172.5.
Binder, Alan M. Fuel induction device. 3,389,894, 6–25–68, Cl. 261—36.
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Hucks, Helmut, Binder, and Ludwigs. 3,418,025.
Binder, Hans: *See*—
Hockenberger, Lothar, and Binder. 3,367,938.
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Sandstede, Gerd, Binder, and Kohling. 3,382,067.
Binder Magnete KG: *See*—
Gibas, Christoph. 3,413,580.
Schaffersmann, Heinz, and Tuchen. 3,401,310.
Binder, Richard, to Fichtel & Sachs A.G. Diaphragm spring type clutch with improved pivot rings. 3,361,239, 1–2–68, Cl. 192—89.
Binder, Richard, and P. Geibel, to Fichtel & Sachs A.G. Driven clutch plate with flexible center. 3,414,101, 12–3–68, Cl. 192—106.2.

Binder, Robert, to Firma Dr.-Ing h.c.F Porsche KG. Overhead camshaft assembly for internal combustion engines. 3,412,720, 11–26–68, Cl. 123—90.

Binderman, Walter. Extendable wick candle. 3,360,966, 1–2–68, Cl. 67—55.

Bin-Dicator Co., The: *See*—
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Binding, Kenneth W., to Market Forge Co. Ski boot jack. 3,412,866, 11–26–68, Cl. 211—37.

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Bindler, Jakob: *See*—
Zurbuchen, Jacques, Bauchle, J. and E. Bindler. 3,391,-985.

Binek, John S., to United Aircraft of Canada Ltd. Turbine engine exhaust duct. 3,388,550, 6–18–68, Cl. 60—39.5.

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Bing, Charles W.: *See*—
Schmidlin, Albertus E., and Bing. 3,419,028.

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Land, Edwin H., and Bing. 3,418,903.

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Leibson, Irving, and Bingeman. 3,398,129.

Binger, Wayne W., to Aluminum Co. of America. Composite aluminous product and method. 3,384,951, 5–28–68, Cl. 29—495.

Binger, Wynn S.: *See*—
Shope, Leonard L., and Binger. 3,364,828.

Bingham, Alan E., and G. V. Watts, to Vickers-Armstrongs (Engineers) Ltd. Air cushion borne vehicles with flexible skirts. 3,384,197, 5–21–68, Cl. 180—117.

Bingham, Bruce: *See*—
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Bingham, John D., and E. W. Higgs, to Henry Simon Ltd. Sieve frames. 3,412,860, 11–26–68, Cl. 209—379.

Bingham, Robert W. Timing device. 3,393,507, 7–23–68, Cl. 58—148.

Bingham, Sidney H. Railway vehicle suspension system. 3,376,830, 4–9–68, Cl. 105—133.

Bingley, Donald W., to AMP, Inc. Regulator circuit to provide a regulated output insensitive to input phase and frequency variations and input voltage and transient conditions. 3,409,821, 11–5–68, Cl. 323—20.

Bingley, Donald W., to AMP Inc. System for supplying frequency controlled single phase voltage from varying poly-phase input voltage. 3,419,783, 12–31–68, Cl. 321—7.

Binkley, Mark E., to Johns-Manville Corp. Insulating riser sleeve composition. 3,394,913, 7–30–68, Cl. 249—201.

Binkley, Raymond C.: *See*—
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Binkley, Richard G., and J. A. Bouras, to E. I. du Pont de Nemours and Co. Stacked tray palletized package for rolls. 3,403,780, 10–1–68, Cl. 206—65.

Binkley, Theodore M., to Ford Motor Co. Method of manufacture of hydraulic cylinders. 3,382,565, 5–14–68, Cl. 29—474.3.

Binkley, William J.: *See*—
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Binks, Chester J., to G. S. Blakeslee & Co. Spray box mounting and retaining means. 3,412,740, 11–26–68, Cl. 134—198.

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Binks Research and Development Corp.: *See*—
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Binnall, Thomas J., and W. E. Surko, Jr., to Emhart Corp. Spring wire hose clamp and form post for making said clamp. 3,417,437, 12–24–68, Cl. 24—27.

Binns, Jack N.: *See*—
Clutter, Carl E. 3,398,595.

Binns, John W., to Overhead Door Corp. Counterbalancing apparatus. 3,412,423, 11–26–68, Cl. 16—198.

Binns, Robert A., R. Horne, and J. L. Marshall, Jr., to Monsanto Co. Fabric elongation measuring device. 3,365,803, 1–30–68, Cl. 33—147.

Binon, Fernand: *See*—
Descamps, Marcel, and Binon. 3,414,582.

Binsley, Glen E.: *See*—
Heiss, John F., and Binsley. 3,374,098.

Binsley, Robert L., and R. S. Siegler, to North American Rockwell Corp. Resonant combustor type gas turbine engine. 3,411,292, 11–19–68, Cl. 60—39.77.

Bintzek, Gerhard: *See*—
Richter, Henning, Büttner, and Bintzek. 3,416,191.

Bintzer, William W., to Lukuns Steel Co. Method and means for segregation of scrap metal. 3,361,273, 1–2–68, Cl. 214—10.5.

Biochemie Ges. m.b.H.: *See*—
Gapp, Fritz, Margreiter, and Schmid. 3,367,948.
Gapp, Fritz, Margreiter, and Schmid. 3,383,383.

Bioconsultants, Inc.: *See*—
Ware, Arnold G. 3,404,069.

Biofarma, Societe Anonyme: *See*—
Servier, Jacques. 3,385,764.

Biological Research, Inc.: *See*—
Plumpe, William H., Jr. 3,398,343.

Bio-Medical Systems, Inc.: *See*—
Von Wrangell, Charles P. E., Helms, Tucker, and Willrich. 3,411,448.

Biopex, Inc.: *See*—
Kavanau, Julian L. 3,390,860.

Biorex Laboratories Ltd.: *See*—
Turner, John C. 3,364,252.
Turner, John C., and Davies. 3,412,084.

Biotec Aktiebolag: *See*—
Heden, Carl-Goran. 3,396,947.

Birch, Arthur J., to Syntex Corp. A-homo-$\Delta^{1,4,5(10)}$-estratrien-3-ones and their preparation. 3,410,874, 11–12–68, Cl. 260—345.9.

Birch, Arthur J., to Syntex Corp. A-homo-$\Delta^{(10),2,4a(5)}$-estratrien 4-ones and their preparation. 3,412,108, 11–19–68, Cl 260—345.9.

Birch, Ian H., to Adolph Gottscho, Inc. Hot die embossing machine for marking strip material. 3,366,042, 1–30–68, Cl. 101—27.

Birch, Lawrence, to Avalon Mfg. Corp. Antiqued painting on wood and by-the-number system of making the same. 3,372,-493, 3–12–68, Cl. 35—26.

Birch, Peter: *See*—
Littlehales, Herbert J., and Birch. 3,397,843.

Birchall, William R., and E. A. Allgeier, to National Distillers and Chemical Corp. Alfin type catalysts, their production and use in polymerization. 3,380,984, 4–30–68, Cl. 260—94.2.

Birch-Iensen, Ake H. G., to Svenska Sockerfabriks Aktiebolaget. Mould elements for machines for moulding parallelepipedical articles. 3,381,633, 5–7–68, Cl. 107—19.

Birchill, Joseph. Sail. 3,391,668, 7–9–68, Cl. 114—103.

Bird, Carlton A.: *See*—
Glaser, Donald A., Pendleton, and Bird. 3,385,123.

Bird, Carlton A., to Didde-Glaser, Inc. Single sheet ejector for printing press. 3,412,996, 11–26–68, Cl. 271—64.

Bird, Frank W.: *See*—
Stolz, Walter A., Krafft, and Bird. 3,397,572.

Bird, Gordon S., Jr., to Cambridge Thermionic Corp. Thermoelectric junction assembly with insulating irregular grains bonding insulating layer to metallic thermojunction member. 3,379,577, 4–23–68, Cl. 136—205.

Bird, Lester F., and C. W. Green, to United States of America, Army. Protection circuits for transistorized regulator circuitry. 3,371,262, 2–27–68, Cl. 321—11.

Bird Machine Co.: *See*—
Amero, Clifford L. 3,405,866.
Clarke-Pounder, Ian J. 3,363,759.
Fassle, Fritz. 3,399,828.
Ferney, Francis X. 3,398,093.
Nelson, George L. 3,400,820.
Packard, Thomas D. 3,416,192.
Piper, Eric G. 3,377,020.
Rittenhouse, Earl G., and Young. 3,410,409.
Roos, John T. 3,389,800.
Stock, Irwin R. 3,401,800.

Bird, Merrill S. Caged animal movement controlling device. 3,387,588, 6–11–68, Cl. 119—106.

Bird & Son Inc.: *See*—
Allen, Herman C. 3,404,608.
Hinds, Caryl E. 3,365,322.

Bird, Walter W., to Birdair Structures, Inc. Pressure balanced door. 3,407,534, 10–29–68, Cl. 49—68.

Birdair Structures, Inc.: *See*—
Bird, Walter W. 3,407,534.

Birdsall, Bert A. Material carrier apparatus. 3,412,883, 11–26–68, Cl. 214—508.

Birdsall, Fred R.: *See*—
Miller, Donald L., and Birdsall. 3,381,784.

Birdsboro Corp.: *See*—
Eberhart, Karl. 3,391,919.

Birdwell, J. C. Pressure fluid operated motor or the like. 3,401,602, 9–17–68, Cl. 91—56.

Birdwell, James A., to Schlumberger Technology Corp. Focused electrode logging system for investigating earth formations including means for monitoring the potential between the survey and focusing electrodes. 3,365,658, 1–23–68, Cl. 324—10.

Birdwell, James A., O. H. Huston, and A. C. Skellie, to Schlumberger Well Surveying Corp. Apparatus for supplying an equal potential to circumferential portions of a circumferentially extending electrode. 3,388,325, 6–11–68, Cl. 324—10.

Birdwell, Jess H. Apparatus for preventing discharge of contaminants from the engine of an automotive vehicle. 3,372,-540, 3–12–68, Cl. 60—30.

Birenbaum, Leo, to Polytechnic Institute of Brooklyn. Voltage standing wave indicators for H-guides. 3,414,810, 12–3–68, Cl. 324—58.

Birfield Engineering Ltd.: *See*—
Cull, William. 3,412,580.

Birguer, Alexandre. Process of manufacturing composite and prestressed steel-concrete beams. 3,368,016, 2–6–68, Cl. 264—228.

Birjukova, Valentina N., to Gorkovsky Metallurgichesky Zavod. Bath for isothermal and step quenching of articles in salt and alkali melts. 3,399,877, 9–3–68, Cl. 266—6.

Birk, Ted W. Rotary internal combustion engine. 3,387,594, 6–11–68, Cl. 123—1.

Birkebak, Richard C. Apparatus and method of measuring emissivity of an object. 3,401,263, 9–10–68, Cl. 250—83.3.

Birkeland, Stephen P., to Minnesota Mining and Mfg. Co. Recording medium utilizing grain-free fluorescent material. 3,418,470. 12–24–68, Cl. 250—71.

Birkett, Gordon, to Wiffen & Sons, Ltd. Expanded plastic materials. 3,382,194. 5–7–68, Cl. 260—2.5.

Birks, Robert K.: *See*—
Moore, Marvin D., and Birks. 3,387,918.

Birman, Joseph H., to Geothermal Surveys, Inc. Leak detection method. 3,375,702, 4–2–68, Cl. 73—40.

Birman, Paul, to Forbro Design Corp. Generating alternating current by reversing a direct current source. 3,373,339, 3–12–68, Cl. 321—49.

Birman, Paul, to Forbro Design Corp. Voltage limiting circuit for regulated power supply. 3,388,817, 6–11–68, Cl. 323—22.

Birman, Paul J.: *See*—
Kupferberg, Kenneth, and Birman. 3,406,341.

Birmetals Ltd.: *See*—
Stratford, David J. 3,404,048.

Birmingham, Douglas W., to United-Carr Inc. Plastic fastener with rotatably releasable expander. 3,411,397, 11–19–68, Cl. 85—72.

Birmingham, Henry P. Control circuit for an indicating device. 3,418,584, 12–24–68, Cl. 328—143.

Birmingham Small Arms Co. Ltd., The: *See*—
McAdam, George D., and Abercrombie. 3,395,012.

Birnbaum, Morris M., L. J. Ridenour, and P. M. Salomon, to General Precision Systems, Inc. Apparatus for plotting contour maps automatically employing a cathode ray tube. 3,372,615, 3–12–68, Cl. 88—14.

Birnbaum, Wallace: *See*—
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Biro, Alexander J., to Season-All Industries, Inc. Expander. 3,380,194, 4–30–68, Cl. 49—482.

Biro, Alexander J., and K. N. Gahagan, to Season-All Industries, Inc. Stainless steel cladded door. 3,410,040, 11–12–68, Cl. 52—222.

Biro, Paul. Method of manufacturing an Ag and Ni-containing electrode for an electrochemical generator. 3,389,019, 6–18–68, Cl. 136—120.

Biron, Edward C., to The Chandler & Price Co. Bed and platen impression press with adjustable dwell control means. 3,412,678, 11–26–68, Cl. 101—287.

Biron, Jules N., D. B. Jones, and D. L. Sims, to United States of America, National Science Foundation. Apparatus for coring subterranean formations under a body of water. 3,373,827, 3–19–68, Cl. 175—6.

Birr, Elmer L., to Hills-McCanna Co. Ball valve and method of making same. 3,394,916, 7–30–68, Cl. 251—315.

Birrell, Robert W.: *See*—
Aiken, Howard H., Birrell, Kerkeslager, and Sites. 3,368,675.

Birse, Alexander L., to John G. Stein & Co. Ltd. Supports for roof and the like. 3,370,557, 2–27–68, Cl. 110—99.

Birsten, Oscar G., and J. Rosin, to Baldwin-Montrose Chemical Co., Inc. Preparation of cyclohexylsulfamic acid or metal salts thereof. 3,361,798, 1–2–68, Cl. 260—513.6.

Birsten, Oscar G., and J. Rosin, to Baldwin-Montrose Chemical Co., Inc. Preparation of cyclohexylsulfamic acid or metal salts thereof. 3,366,670, 1–30–68, Cl. 260—501.2.

Birt, David E., R. F. Sivyer, and R. S. Webley, to Electric & Musical Industries Ltd. Thin magnetic film storage apparatus having adjustable inductive coupling devices. 3,391,397, 7–2–68, Cl. 340—174.

Birtill, John W.: *See*—
Bottomley, Alastair H., Styles, Jilbert Birtill, and Truscott. 3,418,662.

Birtz, Robert E.: *See*—
Cravens, Du Val, McGuire, Birtz, and Wherry. 3,362,124.

Birum, Gail H., to Monsanto Co. Alpha-hydroxy polyphosphonate esters and process for making same. 3,363,031, 1–9–68, Cl. 260—931.

Birum, Gail H., and R. B. Clampitt, to Monsanto Co. Diphosphorus ester hydrocarbon diols. 3,372,209, 3–5–68, Cl. 260—932.

Birum, Gail H., R. M. Anderson, and R. B. Clampitt, to Monsanto Co. Flame-resistant polyurethanes. 3,385,801, 5–28–68, Cl. 260—2.5.

Birum, Gail H., and C. N. Matthews, to Monsanto Co. Process for the preparation of mesomeric phosphonium ester salts. 3,390,163, 6–25–68, Cl. 260—455.

Birum, Gail H., and C. N. Matthews, to Monsanto Co. Mesomeric phosphonium ester salts and process of preparation. 3,390,166, 6–25–68, Cl. 260—455.

Birum, Gail H., and R. B. Clampitt, to Monsanto Co. Alpha-hydroxy-alkylphosphonates. 3,391,226, 7–2–68, Cl. 260—931.

Bisang, Adolf, to Maschinenfabrik Benninger AG. Roller for stretching material. 3,392,431, 7–16–68, Cl. 26—63.

Bisbing, Robert H., to Southco, Inc. Butt joint draw fastener. 3,365,223, 1–23–68, Cl. 287—20.924.

Bischaff, Gottfried, KG, Bau Kompletter Gasreinigungs- und Wasserruckkuhlanlagen, Firma: *See*—
Hoff, Hans. 3,372,528.

Bischoff, Edward S. Flexible paint roller. 3,394,423, 7–30–68, Cl. 15—114.

Biscow, Edgar B. Rear view mirror assembly including a sleeve having an internal spring to restore the reflector to a given position. 3,377,117, 4–9–68, Cl. 350—97.

Bishman Mfg. Co.: *See*—
Vorpahl, Carl H. 3,409,990.

Bishman, Walter A. Powered truck loading platform apparatus. 3,415,395, 12–10–68, Cl. 214—75.

Bishof, Chester A.: *See*—
Silverstein, Ronald M., and Bishof. 3,418,253.

Bishof, Chester A., and R. M. Silverstein, to Betz Laboratories, Inc. Corrosion inhibiting with ethoxylated aqueous amine dispersions. 3,418,254, 12–24–68, Cl. 252—392.

Bishoff, Gustav H. Magnetically actuated toy having movable features. 3,374,573, 3–26–68, Cl. 46—237.

Bishoff, Walter A., Sr., and L. B. Ulery, to Logan Co. Woven wire partition. 3,414,237, 12–3–68, Cl. 256—24.

Bishop and Babcock Corp., The: *See*—
Jaworski, Leonard S. 3,403,437.
Millier, James A. 3,362,279.
Munse, Robert A. 3,362,278.
Munse, Robert A. 3,376,612.

Bishop, Charles F., to Monsanto Co. Coating composition containing styrene-maleic anhydride partial ester copolymer as emulsifier. 3,396,135, 8–6–68, Cl. 260—29.6.

Bishop, Charles R., deceased (by M. J. Bishop, executrix). Drive arrangement for vehicles with torsion-free articulated suspensions. 3,370,667, 2–27–68, Cl. 180—45.

Bishop, Charles R., deceased, by M. J. Bishop, executrix. Four-wheel steering torsion-bar. 3,410,571, 11–12–68, Cl. 280—99.

Bishop, Donald R., and R. T. Sullivan, to Polaroid Corp. Photographic mounting and conversion device. 3,396,649, 8–13–68, Cl. 95—86.

Bishop, Edward W., and G. W. Phillips, to Olin Mathieson Chemical Corp. Shooting jacket. 3,403,407, 10–1–68, Cl. 2—94.

Bishop, Edwin V. Power loading semi-trailer. 3,414,148, 12–3–68, Cl. 214—505.

Bishop, Forest M., and R. I. Bishop, Jr. Golf cup hole cutter. 3,416,831, 12–17–68, Cl. 294—50.5.

Bishop, Frederic L., to Owens-Illinois, Inc. Glass semi-conductor housing having its interior surfaces covered with an alkali-free solder glass. 3,368,024, 2–6–68, Cl. 174—52.

Bishop, Frederic L., to Owens-Illinois, Inc. Cathode-ray tube envelopes. 3,404,769, 10–8–68, Cl. 220—2.3.

Bishop, Gary E., and W. B. Bramley, Jr., to General Motors Corp. Friction band. 3,386,535, 6–4–68, Cl. 188—77.

Bishop, Harold B., to Phillips Petroleum Co. Method for production of fluids from a well. 3,363,692, 1–16–68, Cl. 166—42.

Bishop, Homer L. Method of shaping the image bearing surface of printing plates. 3,382,798, 5–14–68, Cl. 101—401.3.

Bishop Industries Inc.: *See*—
Kass, Gus S. 3,392,040.

Bishop, John D., to Bell Telephone Laboratories, Inc. Driven inverter circuit. 3,361,952, 1–2–68, Cl. 321—45.

Bishop, John D., to Bell Telephone Laboratories, Inc. Inverter starting circuit. 3,397,366, 8–13–68, Cl. 331—113.

Bishop, John D., to Bell Telephone Laboratories, Inc. Driven inverter-regulator with magnetic amplifier in feedback loop. 3,408,553, 10–29–68, Cl. 321—16.

Bishop, John D., E. T. Calkin, and F. F. Judd, to Bell Telephone Laboratories, Inc. Power conversion apparatus employing a magnetic control circuit for actuating gate turn-off switches. 3,383,582, 5–14–68, Cl. 321—18.

Bishop, John D., and J. W. Ianniello, to Bell Telephone Laboratories, Inc. Inverter symmetry correction circuit. 3,414,801, 12–3–68, Cl. 321—16.

Bishop, John L., Sr., to Atlantic Management Co. Method for eradicating hydrocarbon stains from concrete surfaces. 3,382,101, 5–7–68, Cl. 134—7.

Bishop, John W., to United States of America, Interior. System for regulating the total heat output in a burning fluidized bed heat exchanger or boiler. 3,387,590, 6–11–68, Cl. 122—4.

Bishop, Laurence R., to Watney Combe Reid & Co., Ltd. Brewing of beer. 3,366,033, 1–30–68, Cl. 99—278.

Bishop, Leonard J., to Mechanical Handling Systems, Inc. Signal setting mechanism for tow truck conveyor systems. 3,373,698, 3–19–68, Cl. 104—88.

Bishop, Leonard J., to Mechanical Handling Systems, Inc. Articulated carrier for power and free conveyor systems. 3,375,790, 4–2–68, Cl. 104—172.

Bishop, Leonard J., to Mechanical Handling Systems, Inc. Signal system for carrier conveyor systems. 3,406,639, 10–22–68, Cl. 104—88.

Bishop, Leonard J., K. Karlstrom, and P. Klamp, to Mechanical Handling Systems, Inc. Tow truck conveyor system. 3,415,200, 12–10–68, Cl. 104—172.

Bishop, Le Roy: *See*—
Stockbridge, Bruce W., Patton, and Bishop. 3,380,360.

Bishop, Lewis H., to Pierce Specialized Equipment Co. Machine for receiving and translating sheet material for trimming, slicing, scoring or perforating. 3,401,930, 9–17–68, Cl. 271—52.

Bishop, Muriel J.: *See*—
Bishop, Charles R. 3,370,667.
Bishop, Charles R. 3,410,571.

Bishop, Nathaniel, to Newmarkets, Inc. Wide-range loudspeaker. 3,403,235, 9–24–68, Cl. 179—115.5.

Bishop, Paul W.: *See*—
Waldrum, John E., and Bishop. 3,399,638.

Bishop, Robert M., to Stewart-Warner Corp. Facsimile receiver phasing means utilizing particular power supply means to effect. 3,403,222, 9–24–68, Cl. 178—69.5.

Bishop, Roy I., Jr.: *See*—
Bishop, Forest M., and R. I. Bishop, Jr. 3,416,831.

Bishop, Thomas D., to The Deritend Engineering Co. Ltd. Apparatus for treating board. 3,381,563, 5–7–68, Cl. 83—303.

Bishop, Thomas D., to The Deritend Engineering Co. Ltd. Apparatus for cutting blanks from board and separating the scrap from the blanks. 3,391,589, 7–9–68, Cl. 83—103.

Bishop, Walter F.: *See*—
Dieckmann, James R., and Bishop. 3,418,191.

Bishop, William A., Sr., to Copolymer Rubber and Chemical Corp. Method and apparatus for moisture detection, monitoring and control in drying materials. 3,367,038, 2–6–68, Cl. 34—31.

Bishop, William R. Bale stacking trailer for balers. 3,367,518, 2–6–68, Cl. 214—6.

Bishup, Bernard W., A. A. Repeta, and F. C. Giarrizzo, to Leeds & Northrup Co. Telemetering and supervisory control system having normally continuous telemetering signals. 3,397,386, 8–13–68, Cl. 340—163.

Biskeborn, Merle C., to Bell Telephone Laboratories, Inc. Methods and apparatus for measuring characteristics of an insulating sheet in an electro conductive fluid. 3,388,423, 6–18–68, Cl. 18—2.

Biskeborn, Merle C., and W. J. Thompson, to Bell Telephone Laboratories, Inc. Manufacture of transmission lines. 3,382,562, 5–14–68, Cl. 29—407.

Biskup, John, and N. R. Migdol, to Congoleum-Nairn Inc. Cellular foam composition and process for its preparation. 3,399,107, 8–27–68, Cl. 161—160.

Bisschops, Johan H., and W. K. Van Landeghem, to Gevaert Photo-Producten N.V. Manufacture of magnetic recording material with more durable surface stratum on recording layer. 3,366,505, 1–30–68, Cl. 117—62.2.

Bissell, Inc.: *See*—
Hoxie, Orville D. 3,418,243.
Hughes Martin R. 3,395,416.
Vanderveer, Frederick B. 3,401,415.
Vanderveer, Frederick B. 3,401,884.
Vanderveer, Frederick B. 3,408,803.
Vanderveer, Frederick B. 3,409,379.

Bissett-Berman Corp., The: *See*—
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Brown, Neil L. 3,399,566.
Brown, Neil L. 3,419,796.

Bissett, Owen W.: *See*—
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Bissett, Thomas B., and M. S. Tatch, to The Bissett-Berman Corp. Rapid readout of electrolytic cell accumulator. 3,387,288, 6–4–68, Cl. 340—173.

Bissot, Thomas C., to E. I. du Pont de Nemours and Co. Stable aqueous ethylene/vinyl acetate copolymer wax dispersions. 3,394,097, 7–23–68, Cl. 260—28.5.

Bistline, Raymond G., Jr.: *See*—
Ault Waldo C., Micich, Stirton, and Bistline. 3,408,373.

Biszko, Raymond. Electrical plug. 3,414,870, 12–3–68, Cl. 339—195.

Bitar, Louie S., and H. A. Sorgenti, to Atlantic Richfield Co. Method of producing good color epoxide-taurine condensation products. 3,388,154, 6–11–68, Cl. 260—513.

Bitha Panayota: *See*—
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Winterbottom, Robert, Bitha, and Kissman. 3,397,230.

Bitha, Panayota, and J. J. Hlavka, to American Cyanamid Co. 7- and/or 9-(lower alkyl)amino-5a,6-anhydrotetracyclines. 3,373,196, 3–12–68, Cl. 260—559.

Bither, Tom A., Jr., to E. I. du Pont de Nemours and Co. Ternary copper, zinc, cadmium and manganese dichalcogenides having the pyrite-type crystal structure. 3,372,997, 3–12–68, Cl. 23—315.

Bither, Tom A., Jr., and P. C. Donohue, to E. I. du Pont de Nemours and Co. Binary, ternary and quaternary compounds composed of silicon, nickel, arsenic, and phosphorus. 3,409,400, 11–5–68, Cl. 23—204.

Bitko, Sheldon: *See*—
Davidoff, Charles, and Bitko. 3,369,987.

Bitners, Feliks: *See*—
Brandt, Hans-Walther, Schleppinghoff, Bitners, and Meier. 3,378,465.

Bittmann, Charles A., and C.-T. Sah, to Fairchild Camera and Instrument Corp. Method of forming a metal rectifying contact to semiconductor material by displacement plating. 3,397,450, 8–20–68, Cl. 29—578.

Bittmann, Eric E., and S. V. Terrell, Jr., to Burroughs Corp. Address selection system for memory devices. 3,395,404, 7–30–68, Cl. 340—174.

Bittner, Burt J., to Kaman Aircraft Corp. Current discontinuity device. 3,365,721, 1–23–68, Cl. 343—856.

Bittner, Clarence W., to Shell Oil Co. Metal-containing crystalline aluminosilicate catalysts. 3,405,055, 10–8–68, Cl. 208—111.

Bitzer, Donald L., to University of Illinois Foundation. Versatile display teaching system. 3,405,457, 10–15–68, Cl. 35—9.

Biuro Projektow Przemyslu Hutniczego: *See*—
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Bivans, Elbert L. 3,382,777.

Bivans, Elbert L., to Bivans Corp. Cartoning machine for vertical carton flats. 3,373,665, 3–19–68, Cl. 93—53.

Bivans, Elbert L., to Bivans Corp. Cartoning machine. 3,382,777, 5–14–68, Cl. 93—53.

Bivens, Norman A. Loading magazine for revolver cylinder. 3,377,732, 4–16–68, Cl. 42—50.

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Adler, Karl, and Ducommun. 3,379,898.

Bixby, George, Jr., to Automatic Marketing Industries, Inc. Coffee vending device. 3,381,604, 5–7–68, Cl. 99—283.

Bixby, Leo A., to Rockwell-Standard Co. Multi-speed planetary drive axle assembly. 3,413,873, 12–3–68, Cl. 74—695.

Bixby, Leon C., to Wedge Wire Corp. Method of screen assembly. 3,381,355, 5–7–68, Cl. 29—160.

Bixby, Peter H., to Resource Processors, Inc. Talc beneficiation method. 3,414,201, 12–3–68, Cl. 241—4.

Bixby, William E., to Bell & Howell Co. Method and apparatus for producing images. 3,373,019, 3–12–68, Cl. 96—1.

Bixby, William H., to North Electric Co. Control circuit for gradually applying power to a load. 3,376,487, 4–2–68, Cl. 320—32.

Bixby-Zimmer Engineering Co.: *See*—
Sweeney, James R. 3,360,911.

Bixler, George, and E. V. Hannie, to Kidron Body Co. Insulated panel. 3,391,505, 7–9–68, Cl. 52—268.

Bixler, Kenneth D.: *See*—
O'Brien, Alexander G., and Bixler. 3,400,879.

Bixler, Kenneth D., to Diamond International Corp. Cartons. 3,362,605, 1–9–68, Cl. 229—2.5.

Bizet, Pierre, and J. Oswald. Quaternary differential phase-shift system using only three phase-shift values and one time-shift value. 3,412,206, 11–19–68, Cl. 178—67.

Bizier, Antonio. Rotary fluid handling machine. 3,392,676, 7–16–68, Cl. 103—126.

Bizilia, Paul K.: *See*—
Allen, Edward L., and Bizilia. 3,399,736.

Bizzarri, Venanzio, to Aktiebolaget Kanthal. Binding means useful in the manufacture of shaped bodies. 3,395,029, 7–30–68, Cl. 106—39.

Bjalme, Bengt G., to Reed Mfg. Co. Telescoping pipe joint tool. 3,414,961, 12–10–68, Cl. 29—237.

Bjalme, Bengt G., and A. V. Jonasson, to Reed Mfg. Co. Pipe cutter having half nut guided for movement toward and away from the pressure screw. 3,376,638, 4–9–68, Cl. 30—102.

Bjarko, Albert. Control switch system for grain augers. 3,381,804, 5–7–68, Cl. 198—233.

Bjarngard, Bengt: *See*—
Debye, Anne L., and Bjarngard. 3,419,720.

Bjelland, John L.: *See*—
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Bjelland, John L., to Powers Chemco, Inc. Magazine for dispensing photographic film. 3,373,644, 3–19–68, Cl. 83—650.

Bjerum, Merne G. Bag pack and a holder therefor. 3,361,294, 1–2–68, Cl. 221—26.

Bjorck, Sverker R. F. Y., to Liljeholmens Stearinfabriks Aktiebolag. Apparatus for weight loading wicks prior to dipping of candles. 3,390,444, 7–2–68, Cl. 29—208.

Bjork, Bengt A., to Getinge Mekaniska Verkstads Aktiebolag. Method of removing air from goods in preparation for autoclave sterilization. 3,409,389, 11–5–68, Cl. 21—56.

Bjork, Eldon F. Sled. 3,366,395, 1–30–68, Cl. 280—16.

Bjork and Johnson, Inc.: *See*—
Greipel, Frank J., and Rosner. 3,365,863.

Bjorkengren, Carl-Axel, to AB Akerlund & Rausing. Material intended for a freezing package, and such a package. 3,389,783, 6–25–68, Cl. 206—46.

Bjorkengren, Carl-Axel, and F. W. Johansson, to AB Akerlund & Rausing. Package with a corner seal. 3,372,859, 3–12–68, Cl. 229—62.

Bjorklund, Gustaf B., to Rederi AB Soya. Hydraulic radial piston machines. 3,374,712, 3–26–68, Cl. 91—176.

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Nilsson, John M., and Bjorklund. 3,403,185.

Bjorksten, Johan, to Griffolyn Co., Inc. Insulation laminate with reinforcing fibers and corrugated layer. 3,404,748, 10–8–68, Cl. 181—33.

Bjorn, James, and F. Marx, Jr. Electric swivel connection. 3,387,250, 6–4–68, Cl. 339—8.

Bjornsen, Bjorn G., to Johnson Service Co. Pure fluid summing impact modulator and universal amplifiers constructed therewith. 3,388,713, 6–18–68, Cl. 137—81.5.

Bjornsen, Bjorn G., T. J. Lechner, Jr., and P. H. Sorenson, to Johnson Service Co. Pure fluid operational amplifier. 3,417,769, 12–24–68, Cl. 137—81.5.

Bjornson, Geir, to Phillips Petroleum Co. Titania/chromium oxide catalyst and polymerization process. 3,365,439, 1–23–68, Cl. 260—94.9.

Bjornson, Geir, to Phillips Petroleum Co. Method and apparatus for performing chemical reactions by means of an electric arc. 3,376,211, 4–2–68, Cl. 204—311.

Bjornson, Geir, and H. M. Fox, to Phillips Petroleum Co. Plasma preparation of carbon black. 3,409,403, 11–5–68, Cl. 23—209.3.

Bjornson, Geir, and D. W. Walker, to Phillips Petroleum Co. Catalytic process for forming acrylonitrile. 3,418,357, 12–24–68, Cl. 260—465.3.

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Croisant, Elmer E., and Blaauw. 3,394,771.

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Amdahl, Gene M., Blaauw, Boehm, Calingaert, Carnevale, Case, Collins, Greene, Hanf, Johnson, Magdall, Perkins, Hood, Updike, Villante, and Weber. 3,400,871.
Blache-Fraser, Francis M., D. R. Cowper, and E. K. Curnow, to Atomic Energy of Canada Ltd. Method and apparatus for underwater irradiation of subatances. 3,417,239, 12–17–68, Cl. 250—52.
Blacher, Philip E. Rope lock clamp. 3,364,529, 1–23–68, Cl. 24—134.
Blachly, Charles H.: *See*—
Ravner, Harold, and Blachly. 3,372,981.
Black, Albert A.: *See*—
Ellis, Arthur W., Jr., and Black. 3,411,136.
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Forman, Stanley F., and Thiede. 3,389,029.
Black, Charles J., Jr., and J. J. Kowell, to Kernforschungsanlage Julich des Landes Nordrhein-Westfalen-e.V. Universal extension connector for use with indexed printed circuit boards and connector plugs. 3,364,458, 1–16–68, Cl. 339—184.
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Baxter, Joseph, Jr., Fruitman, and Phelps. 3,380,675.
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Coghill, James T. 3,394,602.
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Lindberg, Verne L., and A. Artiano. 3,407,854.
Meihofer, Edward F., and Phelps. 3,383,062.
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Moores, Robert G., Jr. 3,396,598.
Riley, Robert H., Jr., Koen, Ziegler, and Holmes. 3,388,728.
Sheps, Martin I. 3,418,761.
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Black, James D.: *See*—
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Black, James D., and C. H. Winterbotham, to The Bendix Corp. Machine tool position servo including a linear adjustable cam for compensating lead-screw error. 3,419,773, 12–31–68, Cl. 318—18.
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Black, James F., to Esso Research and Engineering Co. Cloud formation and subsequent moisture precipitation. 3,409,220, 11–5–68, Cl. 239—2.
Black, James G., Jr., and C. C. Rayburn, to Illinois Tool Works Inc. Method and apparatus for assembling capacitors. 3,394,239, 7–23–68, Cl. 219—95.
Black, James H., C. E. Coleman, and V. C. Stant, to The American Tobacco Co. Cigar classification apparatus. 3,373,870, 3–19–68, Cl. 209—111.6.
Black, James H., W. P. Neal, Jr., and E. W. Reed, to The American Tobacco Co. Inspection device for composite cigarette filter rods. 3,386,578, 6–4–68, Cl. 209—111.7.
Black, James R., to Motorola, Inc. Cleaning of semiconductor devices. 3,383,319, 5–14–68, Cl. 252—95.
Black, James T., Jr., to H. K. Porter Co., Inc. Process for continuously casting elongated metal bodies. 3,374,826, 3–26–68 Cl. 164—82.
Black, John W., and R. W. Lindsey, to Pemco Wheel Co. Storage unit. 3,419,155, 12–31–68, Cl. 211—90.
Black, Paul W., to Motorola, Inc. Crystal oscillator with temperature compensation. 3,373,379, 3–12–68, Cl. 331—116.
Black Products Co.: *See*—
Lau, Erwin M. 3,366,190.
Lau, Erwin M. 3,376,905.
Lau, Erwin M. 3,408,034.
Van Pernis, John M. 3,396,763.
Black, Richard E.: *See*—
Bruns, Elton W., and Black. 3,406,924.
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Black, Robert L. 3,394,449.
Black, Robert H. Lock washer. 3,395,743, 8–6–68, Cl. 151—80.
Black, Robert J. Filling yarn cutter mechanism. 3,412,765, 11–26–68, Cl. 139—263.
Black, Robert L., to R. B. Black. Manual device for ejecting burs from dental handpieces. 3,394,449, 7–30–68, Cl. 29—278.
Black, Robert L., Jr., to Parks-Cramer Co. Apparatus for cleaning floors and disposing of fiber waste in textile mills. 3,372,425, 3–12–68, Cl. 15—312.
Black, Robert L., Jr., to Parks-Cramer Co. Air outlet suspension system for textile traveling cleaners. 3,400,423, 9–10–68, Cl. 15—312.
Black, Robert L., Jr., to Parks-Cramer Co. Air impeller means for unitary suction and blowing traveling cleaners. 3,408,682, 11–5–68, Cl. 15—312.
Black, Robert L., Jr., and C. D. Lee, Jr., to Parks-Cramer Co. Travelling tending system for textile machines. 3,360,914, 1–2–68, Cl. 57—56.
Black, Roe R., to York Mfg. Co. Automatic feeder for pneumatic conveying lines. 3,372,958, 3–12–68, Cl. 302—53.
Black, Ronald L., to Lear Siegler, Inc. Automatic throttle control system employing a logic gate circuit. 3,391,320, 7–2–68, Cl. 318—266.
Black, Sheppard A., and J. D. Heide, to United States Rubber Co. Bead-setting method used in tire carcass building process. 3,375,151, 3–26–68, Cl. 156—132.
Black, Sheppard A., and J. D. Heide, to Uniroyal, Inc. Tire carcass building drum. 3,388,024, 6–11–68, Cl. 156—415.
Black, Sheppard A., and J. D. Heide, to Uniroyal, Inc. Tire building methods. 3,389,032, 6–18–68, Cl. 156—111.
Black, Sivalls & Bryson, Inc.: *See*—
Conover, William J. 3,361,115.
Conover, William J. 3,368,527.
Conover, William J. 3,406,844.
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McMinn, Robert E. 3,374,642.
McMinn, Robert E. 3,385,031.
McMinn, Robert E. 3,389,537.
McMinn, Robert E., and Dougherty. 3,396,512.
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Black, Stanley H., and R. S. Jacobson, to Sperry Rand Corp. Constant deviation ratio FM transmitter. 3,396,340, 8–6–68, Cl. 325—138.
Black, Stewart L., to The Vendo Co. Single cup, dry waste coffee brewing and dispensing mechanism. 3,369,478, 2–20–68, Cl. 99—289.
Black, Walter L.: *See*—
Wolf, Irvin O., Jr., and Black. 3,410,595.
Black, Walter L., to United States of America, Navy. Release mechanism. 3,403,650, 10–1–68, Cl. 114—20.
Black, William A. P., E. T. Dewar, and D. Rutherford, to United States of America, Agriculture. Carbohydrate derived polymers. 3,400,107, 9–3–68, Cl. 260—80.
Black, William A. P., E. T. Dewar, and D. Rutherford, to United States of America, Agriculture. Carbohydrate derived polymers. 3,404,136, 10–1–68, Cl. 260—88.3.
Black, William B.: *See*—
Chaney, David W., and Black. 3,388,199.
Black, William B., and B. A. Morehead, to Monsanto Co. Activators for the polymerization of pyrrolidone. 3,383,367, 5–14–68, Cl. 260—78.
Black, William H., and W. H. Black, Jr. Connector plate for joining wood members. 3,382,752, 5–14–68, Cl. 85—13.
Black, William H., Jr.: *See*—
Black, William H., and W. H. Black, Jr. 3,382,752.
Black, William M., and J. H. Nichols, to Esso Production Research Co. Steam stimulation in-situ combustion backflow process. 3,369,604, 2–20–68, Cl. 166—40.
Black, William R.: *See*—
Hornung, Stephen A., Stichweh, and Black. 3,419,733.
Black, William R., to Outers Laboratories, Inc. Billy club with hand guard and personnel immobilizing agent. 3,385,601, 5–28–68, Cl. 273—84.
Black, Woodrow W., to United States of America, National Aeronautics and Space Administration. Triaxial antenna. 3,417,400, 12–17–68, Cl. 343—771.
Blackbourn, Charles E. Arc welder's attachable cloth cap. 3,412,406, 11–26–68, Cl. 2—8.
Blackburn, Alan B., to Hobart Bros. Co. Engine overspeed protection device. 3,402,327, 9–17–68, Cl. 317—19.
Blackburn, Andrew R.: *See*—
Emmel, Donald R., Blackburn, and Kendall. 3,418,408.
Blackburn, Andrew R., and V. D. Kendall, to The Murray Corp. of America. Crystalline bonded ceramic ware pressing mold and method of making same. 3,384,499, 5–21–68, Cl. 106—38.9.
Blackburn, Andrew R., and V. D. Kendall, to Ram, Inc. Glass bonded ceramic ware pressing mold and method of making same. 3,389,001, 6–18–68, Cl. 106—38.9.
Blackburn, Archie B., to The Dow Chemical Co. Decalcification of bones. 3,396,222, 8–6–68, Cl. 424—3.
Blackburn, Charles M., and R. S. Brashears, to United States of America, Navy. Anti-suffocation valve. 3,362,420, 1–9–68, Cl. 137—81.
Blackburn, Charles M., and R. G. Bartlett, Jr., to United States of America, Navy. Pressure regulating valve for rebreathing apparatus. 3,366,108, 1–30–68, Cl. 128—142.

Blackburn, Paul E., and J. B. Mattuck, Arthur D. Little, Inc. Silicide coated composites and method of making them. 3,383,235, 5–14–68, Cl. 117—70.

Blackburn, Peter A., H. R. Chesters, and E. C. Seeley, to Plessey-UK Ltd. Automatic power level control for radio-telephony communication systems including a repeater station. 3,415,952, 12–10–68, Cl. 179—15.

Blackburn, Philip R.: *See*—
Powers, William E., Jr., Novack, and Blackburn. 3,387,-150.

Blackburne, Edward F., to Continental Aviation and Engineering Corp. Variable compression ratio piston assembly. 3,403,662, 10–1–68, Cl. 123—78.

Blackert, John E., and D. E. Webb, to Xerox Corp. Exposure control system. 3,379,110, 4–23–68, Cl. 95—75.

Blackford, John M., to Hosmer Machine Co., Inc. Method and apparatus for loosening fibers of wood chips. 3,393,634, 7–23–68, Cl. 100—39.

Blackford, Raymond H., to Durable Mfg. Co. Laminated magnetic rubber valve. 3,409,038, 11–5–68, Cl. 137—516.15.

Blackhawk, Edward A., and D. E. Moore. Check valve. 3,415,-272, 12–10–68, Cl. 137—516.13.

Blackhurst, Robert V., and P. J. Longley, to Rolls-Royce Ltd. Method of securing a blade assembly in a casing, e.g. a gas turbine engine rotor casing. 3,393,436, 7–23–68, Cl. 29—156.8.

Blackistone, Zachariah D., Jr. Ground line cemetery vase. 3,369,321, 2–20–68, Cl. 47—41.1.

Blackledge, Vernon O., to Sperry Rand Corp. Radio controlled guidance apparatus for aircraft having radio signal gain programing. 3,381,295, 4–30–68, Cl. 343—108.

Blackley, William D.: *See*—
Siegart, William R., Blackley, Chafetz, and Suber. 3,380,-983.

Blackley, William D., and W. R. Siegart, to Texaco Inc. Method of preparing fluorobenzenes. 3,408,412, 10–29–68, Cl. 260—650.

Blacklock, Arthur G.: *See*—
Schuller, James T., Short, Stayton, and Blacklock. 3,404,-807.

Blackman, Bruce A.: *See*—
Anderson, Terry O., and Blackman. 3,393,404.

Blackman, Calvin C. Coil spacer. 3,415,506, 12–10–68, Cl. 263—47.

Blackman, Calvin C., and R. A. Letherer, to Rad-Con Inc. Bell type furnace having elastomer flap type seal. 3,411,763, 11–19–68, Cl. 266—5.

Blackman, George S. Combination folding chair and tackle box. 3,377,114, 4–9–68, Cl. 312—235.

Blackman, Robert J., to Eastman Kodak Co. Reflective photoelectric pickups. 3,396,281, 8–6–68, Cl. 250—239.

Blackmer, David E., to Instrumentation Laboratory, Inc. High performance DC amplifier circuit having inherently low offset current. 3,416,093, 12–10–68, Cl. 330—23.

Blackmore, Roy C., to Nickeloid Ltd. Method of backing electrotypes. 3,403,082, 9–24–68, Cl. 204—6.

Blacksher, William H. Pipe pulling tool. 3,375,034, 3–26–68, Cl. 294—86.24.

Blackstone Corp.: *See*—
Antonevich, John N. 3,370,186.

Blackstone, Henry, W. Derganc, S. N. Howell, and F. G. Willey, to Servo Corp. of America. Hot-box detector. 3,402,-290, 9–17–68, Cl. 246—169.

Blackwelder Mfg. Co.: *See*—
Hill, Frederick L., and Snook. 3,393,752.

Blackwell, Elliott H., to Warren Pumps, Inc. Pump. 3,408,114, 10–29–68, Cl. 302—14.

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Blackwell, Francis O., III, to Seneca Falls Machine Co. Photoelectric tracing system with a optical scanning head having a drive motor and signal generator thereon. 3,395,282, 7–30–68, Cl. 250—202.

Blackwell, Herbert H. Cutting blade holder. 3,362,069, 1–9–68, Cl. 30—151.

Blackwell, Jennings P., to Phillips Petroleum Co. Polymerization of tetrahydrofuran and derivatives thereof with organic sulfonic acids. 3,405,105, 10–8–68, Cl. 260—79.3.

Blackwell, Lyman L.: *See*—
Able, Edward T., Blackwell, and Steele. 3,386,031.

Blackwell, Robert J., F. A. Morgan, III, and J. K. Heilhecker, to Esso Production Research Co. Oil displacement process. 3,363,685, 1–16–68, Cl. 166—9.

Blackwell, Ronald J. Apparatus for electrostatic spray coating. 3,393,662, 7–23–68, Cl. 118—626.

Blackwood, John, and G. T. Genneken, to The Singer Co. Bobbin thread replenishing control mechanism for sewing machines. 3,374,756, 3–26–68, Cl. 112—184.

Blackwood, William R. Method and apparatus for marking symbols and other subject matter on charts, graphs and the like. 3,403,623, 10–1–68, Cl. 101—368.

Blade, Arturo: *See*—
Muller, Georges, Blade, and Bardoneschi. 3,410,899.

Blades, Alfred N. Liquid sampling device. 3,363,468, 1–16–68, Cl. 73—425.4.

Blades, Herbert, and J. R. White, to E. I. du Pont de Nemours and Co. Methylene chloride solution of polyethylene terephthalate. 3,401,140, 9–10–68, Cl. 260—33.8.

Blaedel, Walter J., and C. L. Olson, to United States of America, Atomic Energy Commission. Amperometric determination of glucose. 3,367,849, 2–6–68, Cl. 204—1.

Blaer, Horst: *See*—
Wendel, Gunter, and Blaer. 3,363,376.

Blaga, Aurel, and M. J. Skrypa. 2-methyl-3,3,3-trichloro-1,2-propanediol and unsaturated polyesters prepared therefrom. 3,394,204, 7–23–68, Cl. 260—869.

Blagg, Leon, to Schlumberger Technology Corp. Cable-feeding apparatus. 3,363,880, 1–16–68, Cl. 254—135.

Blagg, Leon, to Schlumberger Technology Corp. Blowout preventer. 3,416,767, 12–17–68, Cl. 251—1.

Blaha, Emil, to Selas Corp. of America. Reducing a mixture of ores and carbon. 3,407,059, 10–22–68, Cl. 75—33.

Blaho, Rudolph G.: *See*—
Brilando, Frank P., and Blaho. 3,406,587.
Nielsen, Jorgen L., Brilando, and Blaho. 3,383,941.

Blahut, Donald E., to Bell Telephone Laboratories, Inc. Magnetic memory. 3,417,384, 12–17–68, Cl. 340—174.

Blaiklock, William J.: *See*—
Hollister, Allen R., and Blaiklock. 3,402,603.

Blaiklock, William M., and D. L. Allen, to General Steel Wares Ltd. Washing machine support structure. 3,373,962, 3–19–68, Cl. 248—18.

Blain, Jim W., and A. B. Leaman, to Lockheed Aircraft Corp. Explosive actuator. 3,373,686, 3–19–68, Cl. 102—22.

Blair, Boyd C., to Brackett Stripping Machine Co., Inc. Jogging machine with multiple level jogging table. 3,391,929, 7–9–68, Cl. 271—89.

Blair, Bryce W., and L. C. Friend, to AMP Inc. Record reader/imprinter with gate controlled roller. 3,402,662, 9–24–68, Cl. 101—285.

Blair, Chester C., Jr.: *See*—
Smith, Richard E., and Blair. 3,382,395.

Blair, David E., to E. I. du Pont de Nemours and Co. Apparatus and process for fractionating a polymer. 3,392,158, 7–9–68, Cl. 260—92.3.

Blair, Edgar A.: *See*—
Meisel, Fred W., Jr., and Blair. 3,382,090.

Blair, Etcyl H., and K. C. Kauer, to Dow Chemical Co. 3-trifluoromethyl phenyl phosphoramidothioates. 3,368,003, 2–6–68, Cl. 260—955.

Blair, George. Method of casting reentrant angles. 3,395,748, 8–6–68, Cl. 164—122.

Blair, George. Method of casting reentrant angles. 3,395,749, 8–6–68, Cl. 164—122.

Blair, George S., H. Shaw, and J. Maishlish, to Toronto Star Ltd. Roller slat conveyor. 3,406,810, 10–22–68, Cl. 198—183.

Blair, Gerald E., D. P. Hamblen, and R. A. Weidel, to Bausch & Lomb Inc. Method of changing the conductivity of ceramic materials. 3,393,060, 7–16–68, Cl. 65—33.

Blair, Richard L. Low temperature ozone generating means. 3,365,383, 1–23–68, Cl. 204—321.

Blair, Robert E.: *See*—
Buell, Halsey W., and Blair. 3,387,955.

Blair, Ronald A., to General Electric Co. Power units such as gear motors with improved motor base and adapter assembly. 3,395,594, 8–6–68, Cl. 74—606.

Blair, Ronald L. Panty girdle. 3,392,733, 7–16–68, Cl. 128—528.

Blair, Ronald L. Hanger for girdles, panty girdles, and the like. 3,405,854, 10–15–68, Cl. 223—85.

Blair, William L.: *See*—
Baylor, John T., Blair, and Wright. 3,392,347.

Blair, William W.: *See*—
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Blairon, Andre E.: *See*—
Vanhentenrijk, Georges C., and Blairon. 3,386,110.

Blais, Richard P.: *See*—
Warner, John L., Wilber, and Blais. 3,394,756.

Blaisdell, Homer J. Container sealing device. 3,415,409, 12–10–68, Cl. 220—40.

Blaisdell, Leonard L., to Sylvania Electric Products Inc. Dual linear/circular polarization spiral antenna. 3,373,433, 3–12–68, Cl. 343—850.

Blake, Alan F.: *See*—
Spencer, Alexander, and Blake. 3,376,162.

Blake, Alan F., and C. Green, to Gestetner Ltd. Duplicating stencils. 3,376,810, 4–9–68, Cl. 101—128.2.

Blake, Bernice B.: *See*—
Blake, Norman W. 3,363,324.

Blake, Carl B., to Martin-Marietta Corp. Heat transfer of indicia containing sublimable coloring agent. 3,363,557, 1–16–68, Cl. 101—470.

Blake, Earl G.: *See*—
Kelley, Kork, Kelley, and Blake. 3,363,581.

Blake, Edward S., R. E. De Brunner, and J. A. Webster, to Monsanto Research Corp. Esters of N-cyanoalkyl-N-alkylphosphoramidic acids. 3,369,061, 2–13–68, Cl. 260—940.

Blake, Edward S., R. E. De Brunner, and J. A. Webster, to Monsanto Research Corp. Fluorine-containing phosphoramidates. 3,369,064, 2–13–68, Cl. 260—955.

Blake, Edward S., to Monsanto Research Corp. Process of preparing aralkyl esters. 3,378,578, 4–16–68, Cl. 260—476.

Blake, Edward S., and G. A. Richardson, to Monsanto Research Corp. Fluorinated polyphenyl ethers. 3,391,195, 7–2–68, Cl. 260—613.

Blake, Francis W. Caster-wheeled farm cart. 3,410,569, 11–12–68, Cl. 280—43.23.

Blake, George T. Guide device for attachment to the wall of a building under construction. 3,389,471, 6–25–68, Cl. 33—85.

Blake, Howard C., and J. F. McClelland, Jr. Article conveying apparatus for automatic warehousing. 3,416,644, 12–17–68, Cl. 198—43.
Blake, John, Ltd.: *See*—
Wilmot, Kenneth. 3,416,499.
Blake, John H., J. P. Pelmulder, and E. Thuse, to FMC Corp. Sublimation drying using a condensable heat carrier vapor. 3,382,584, 5–14–68, Cl. 34—5.
Blake, John H., J. P. Pelmulder, and E. Thuse, to FMC Corp. Internal sublimation condenser apparatus. 3,382,585, 5–14–68, Cl. 34—92.
Blake, John H., and F. P. McCandless, to FMC Corp. Production of briquettes from calcined char employing asphalt binders and such briquettes. 3,403,989, 10–1–68, Cl. 44—23.
Blake, Norman W., deceased, by B. B. Blake, administratrix, to Eastman Kodak Co. Solution development of xerographic latent images. 3,365,324, 1–23–68, Cl. 117—37.
Blake, Ralph K., to E. I. du Pont de Nemours and Co. Copper thallium and lead halide and pseudohalides photosoluble crystals. 3,377,160, 4–9–68, Cl. 96—88.
Blake, Ralph K., to E. I. du Pont de Nemours and Co. Silver halide emulsions photosolubilized with optical sensitizing dyes and silver mercaptides. 3,384,485, 5–21–68, Cl. 96—64.
Blake, Ralph K., to E. I. du Pont de Nemours and Co. Increased development rate of photosoluble silver halide emulsions by the action of water-soluble iodide. 3,394,005, 7–23–68, Cl. 96—64.
Blake, Ralph K., to E. I. du Pont de Nemours and Co. Process for forming images and elements therefor. 3,413,122, 11–26–68, Cl. 96—68.
Blake, Ralph K., and R. N. Fan, to E. I. du Pont de Nemours and Co. Emulsion layers and elements. 3,368,899, 2–13–68, Cl. 96—107.
Blake, Robert A. Receptacle or container storage means. 3,368,691, 2–13–68, Cl. 211—87.
Blake, William A. Fishhook. 3,382,602, 5–14–68, Cl. 43—44.6.
Blakeley, Richard H., and P. Hernadi, to VSI Corp. Blind fastener. 3,411,398, 11–19–68, Cl. 85—72.
Blakely Products Co.: *See*—
Tatum, Roy E. 3,383,818.
Blakeslee, C. W., & Sons, Inc.: *See*—
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Blanchard, Clarence E., Jr., to Outboard Marine Corp. Universal coupling. 3,378,284, 4–16–68, Cl. 287—21.
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Blanchard, Edward R., and D. L. Smith, to Air Reduction Co., Inc. Production of ultrahigh purity oxygen with removal of hydrocarbon impurities. 3,363,427, 1–16–68, Cl. 62—21.
Blanchard, Elwood P., Jr., to E. I. du Pont de Nemours and Co. Bicyclobutane carbonitrile homopolymers and process for preparing the same. 3,393,159, 7–16–68, Cl. 260—2.
Blanchard, Floyd W. Self-pressurizing retractable ballpoint pen. 3,415,603, 12–10–68, Cl. 401—101.
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Blanchet, Andre F., to S.A.T.A.M.-Societe Anonyme pour tous Appareillages Mecaniques. Automatic variable-volume mixing dispenser. 3,381,854, 5–7–68, Cl. 222—2.
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Blank, Edward, to Tobe Deutschmann Laboratories, Inc. Discharge gap means including a spiral capacitor surrounding opposed electrodes. 3,361,930, 1–2–68, Cl. 315—59.
Blank, Edward, to Tobe Deutschmann Laboratories, Inc. Three-position electromagnetically operated switch. 3,386,057, 5–28–68, Cl. 335—177.
Blank, Hans G., to General Telephone and Electronics Laboratories, Inc. SCR switching circuit wherein high series impedances prevent avalanche breakdown of SCR's. 3,370,182, 2–20–68, Cl. 307—252.
Blank, Hans G., to General Telephone and Electronics Laboratories, Inc. Binary to alpha-numeric translator. 3,400,388, 9–3–68, Cl. 340—336.
Blank, Hans G., to General Telephone and Electronics Laboratories, Inc. Solid state driving circuit. 3,409,887, 11–5–68, Cl. 340—324.
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Blankenship, Milton J., and R. McCarthy, to The Dow Chemical Co. Stabilization. 3,384,673, 5–21–68, Cl. 260—652.5.
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Blasl, John K. Isometric exercising and strength-testing device. 3,397,884, 8–20–68, Cl. 272—83.

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Blatchford, Dean, and R. L. Holt, to United States of America, Navy. Method of determining the launch time of air-to-air missiles. 3,368,776, 2–13–68, Cl. 244—3.1.

Blatchford, John K., to Whirlpool Corp. Disposer for combustible and metal refuse. 3,396,682, 8–13–68, Cl. 110—18.

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Blatt, Leland F. Mount for cylinder operated power clamp. 3,371,923, 3–5–68, Cl. 269—32.

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Blatt, Leland F., and P. R. Williams, to I.S.I. Mfg., Inc. Toggle clamp with unusual rising action. 3,371,925, 3–5–68, Cl. 269—91.

Blatt, Leland F., and P. R. Williams, to Industrial Specialties, Inc. Differential area gas cylinder. 3,401,604, 9–17–68, Cl. 91—399.

Blatt, Rudolph W., R. W. Behler, and W. B. Bramley, Jr., to General Motors Corp. Electroerosive apparatus. 3,366,770, 1–30–68, Cl. 219—69.

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Blatter, Herbert M., R. W. J. Carney, and G. de Stevens, to Ciba Corp. N-aryl-substituted bicyclic azacycles. 3,385,856, 5–28–68, Cl. 260—251.

Blatter, Herbert M., R. W. J. Carney, and G. de Stevens, to Ciba Corp. 1-aryl-4-imino-1,2-dihydroquinazolines. 3,403,153, 9–24–68, Cl. 260—256.4.

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Bleasdale, Desmond H. Laminated structure with former element. 3,419,457, 12–31–68, Cl. 161—102.

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Bleibtreu, Alexander, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Transfer switch for tap-changing transformers having contacts movable along orthogonal diameters of a circle. 3,400,231, 9–3–68, Cl. 200—11.

Bleibtreu, Alexander, and M. Poppl, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Reversing switch for tap-changing regulating transformers. 3,366,763, 1–30–68, Cl. 200—11.

Bleibtreu, Alexander, and J. Schaller, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Transfer switch for tap-changing regulating transformers having current-carrying contacts and operating means therefor achieving high initial speeds of contact separation. 3,415,957, 12–10–68, Cl. 200—8.

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Bleloch, William, to Rand Mines Ltd. Stainless steel. 3,377,162, 4–9–68, Cl. 75—126.

Blenkarn, Kenneth A., to Pan American Petroleum Corp. Offshore drilling structure. 3,392,534, 7–16–68, Cl. 61—46.5.

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Garrison, Jerry W. 3,365,270.
Schladermundt, Peter, and Dennerlain. 3,407,524.
Bliss, Max D., Jr., ½ to S. A. Bliss. Sulky. 3,415,533, 12–10–68, Cl. 280—43.
Bliss, Shirley A.: *See*—
Bliss, Max D., Jr. 3,415,533.
Blitz, Daniel, to Sanders Associates, Inc. Negative time detection systems. 3,387,300, 6–4–68, Cl. 343—7.3.
Blitz, Daniel, and M. R. Richmond, to Sanders Associates, Inc. Linearly swept frequency generator. 3,382,460, 5–7–68, Cl. 331—178.
Blitzer, Jacob H., Jr., to Integrated Ceilings, Inc. Louver construction. 3,378,980, 4–23–68, Cl. 52—668.
Blivice, Sidney L., and D. J. Cohen. Alarm system. 3,404,393, 10–1–68, Cl. 340—276.
Bliznjuk, Nickolai K., A. F. Kolomiets, and S. G. Zhemchuzhin, to Vsesojuzny Nauchno-Issledovatelsky Institute Fitopatologii. Method for manufacturing organophosphorus peroxide compounds. 3,372,211, 3–5–68, Cl. 260—985.
Bliznjuk, Nickolai K., A. F. Kolomiets, S. L. Varshavsky, A. A. Skladnev, L. P. Kofman, G. V. Tkachenko, B. J. Libman, and G. A. Novokrechshenov, to Vsesojuzny Nauchno-Issledovatelsky Institute. Method of preparing trialkyl phosphates. 3,415,908, 12–10–68, Cl. 260—971.
Bloch, Charles R., to Bureau d'Etudes Scientifiques et Techniques. Device for analyzing the flow motion of a fluid, especially atmospheric air, at a number of levels on a same vertical line. 3,365,943, 1–30–68, Cl. 73—189.
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Bloch, Felix, to United States of America, Agriculture. Malting process designed to inhibit sprouting. 3,385,763, 5–28–68, Cl. 195—70.
Bloch, Herman S., to Universal Oil Products Co. Process for producing a detergent. 3,361,797, 1–2–68, Cl. 260—505.
Bloch, Herman S., to Universal Oil Products Co. Hydrophilic monoolefin-conjugated cyclodiolefin condensation detergent product. 3,370,080, 2–20–68, Cl. 260—457.
Bloch, Herman S., to Universal Oil Products Co. Process for the preparation of halo-substituted polyhydrodialkanotricyclic dicarboxylic acids and carboxy derivatives thereof. 3,371,101, 2–27–68, Cl. 260—346.6.
Bloch, Herman S., to Universal Oil Products Co. Oxidation catalyst comprising variable density activator. 3,377,269, 4–9–68, Cl. 208—466.
Bloch, Herman S., to Universal Oil Products Co. Oxidation of waste gases in the presence of mixed catalysts. 3,378,334, 4–16–68, Cl. 23—2.
Bloch, Herman S., to Universal Oil Products Co. Catalytic dehydrogenation of alkylaromatic hydrocarbons. 3,379,786, 4–23–68, Cl. 260—669.
Bloch, Herman S., to Universal Oil Products Co. Catalytic dehydrogenation of paraffinic hydrocarbons enhanced by benzene. 3,391,218, 7–2–68, Cl. 260—683.3.
Bloch, Herman S., to Universal Oil Products Co. Alkyl substituted bicyclic monoolefins. 3,405,187, 10–8–68, Cl. 260—666.
Bloch, Herman S., to Universal Oil Products Co. Alkyl substituted cyclohexenes. 3,405,188, 10–8–68, Cl. 260—666.
Bloch, Herman S., to Universal Oil Products Co. Process for producing alkylaromatic hydrocarbons. 3,413,373, 11–26–68, Cl. 260—671.
Bloch, Herman S., to Universal Oil Products Co. Desalinization of aqueous solutions. 3,414,509, 12–3–68, Cl. 210—32.
Bloch, Herman S., to Universal Oil Products Co. Desalinization of aqueous solutions. 3,419,492, 12–31–68, Cl. 210—32.
Bloch, Herman S., and R. C. Wackher, to Universal Oil Products Co. Selective solvent for unsaturated hydrocarbons. 3,379,788, 4–23–68, Cl. 260—674.
Bloch, Herman S., and E. L. Pollitzer, to Universal Oil Products Co. Polymerization of ethylene. 3,383,378, 5–14–68, Cl. 260—94.9.
Bloch, Herman S., and W. G. Nixon, to Universal Oil Products Co. Catalyst manufacture. 3,385,797, 5–28–68, Cl. 252—439.
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Bloch, Herman S., and L. Schmerling, to Universal Oil Products Co. Reaction of halocycloalkenyl acyl halide with polyesters, polyamides and textiles. 3,409,386, 11–5–68, Cl. 8—94.21.

Bloch, Jean, to Le Materiel d'Entreprise et de Travaux Publics L.A.H.O., Societe Anonyme. Safety railing for tubular scaffolding. 3,382,949, 5–14–68, Cl. 182—113.
Bloch, Morton G., to Mobil Oil Corp. Chromatographic method and apparatus for determining trace concentrations of water. 3,405,550, 10–15–68, Cl. 73—23.1.
Bloch, Moshe R., to Dead Sea Works Ltd. Primary cell comprising an aqueous solution containing halogen and a metal halide. 3,373,058, 3–12–68, Cl. 136—83.
Bloch, Moshe R., and I. Schnerb, to Mifalei Yam Hamelah, B. M. Storage of bromine. 3,375,077, 3–26–68, Cl. 23—216.
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Blochemie Gesellschaft mit beschrankter Haftung: *See*—
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Blochl, Walter, to FMC Corp. Preparation of fluorinated alkyl iodides by selective telomerization. 3,404,189, 10–1–68, Cl. 260—653.1.
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Block, Alvin L. Hand restraining device. 3,415,244, 12–10–68, Cl. 128—133.
Block, Burton P., and G. H. Dahl, to Pennsalt Chemicals Corp. Phosphorus containing chelating agent. 3,403,176, 9–24–68, Cl. 210—502.4.
Block, Burton P., and G. H. Dahl, to Pennsalt Chemicals Corp. Titanium chelate compound and titanium phosphinate polymer prepared therefrom. 3,415,762, 12–10–68, Cl. 260—2.
Block, Burton P., and G. H. Dahl, to Pennsalt Chemicals Corp. Titanium phosphinate polymers. 3,415,781, 12–10–68, Cl. 260—47.
Block, Charles, and L. J. Mintz, to Underground Assemblies, Inc. Method of making buckle and strap assemblies. 3,413,170, 11–26–68, Cl. 156—204.
Block, Dale G., R. E. Bailey, and J. L. Towle, to Kewanee Oil Co. Sulfonamides and sulfonimides. 3,400,152, 9–3–68, Cl. 260—556.
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Block, Harry W., T. P. Finucane, and E. Lanza, to General Foods Corp. No-bake cake mix. 3,409,442, 11–5–68, Cl. 99—92.
Block, Jay M., to Hughes Aircraft Co. Heat exchanger package for high-density, high-powered electronic modules. 3,411,041, 11–12–68, Cl. 317—100.
Block, Lester W. Convertible padded brassiere. 3,384,091, 5–21–68, Cl. 128—478.
Block, Murry L., and A. H. Mones, to International Business Machines Corp. Indium oxide resistor composition, method, and article. 3,411,947, 11–19–68, Cl. 117—215.
Block, William H. Repair device for elastomeric products. 3,383,960, 5–21–68, Cl. 81—15.7.
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Blodgett, Edwin O., to Friden, Inc. High speed punch. 3,366,322, 1–30–68, Cl. 234—119.
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Blodgett, Francis W., to Kaiser Aluminum & Chemical Corp. Stabilized chlorofluorocarbon compositions. 3,361,833, 1–2–68, Cl. 260—652.5.
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Bloembergen, Nicholaas. Apparatus for converting light energy from one frequency to another. 3,384,433, 5–21–68, Cl. 350—150.
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Blohm, Richard W.: *See*—
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Blom, Sven R. R., to Durox International S.A. Plant for the manufacture of aerated concrete. 3,407,457, 10–29–68, Cl. 25—2.
Blomet, Denise S. O. (nee Soules), and G. Coindreau. Device for packing objects having a cylindrical or prismatic shape. 3,407,566, 10–29–68, Cl. 53—380.
Blomeyer, Friedrich, to Farbenfabriken Bayer Aktiengesellschaft. Polyurethane lacquers. 3,880,950, 4–30–68, Cl. 260—31.2.
Blomeyer, Friedrich, to Farbenfabriken Bayer Aktiengesellschaft. Water binding agents for polyurethanes based on mixtures of phosphorous pentoxide with pigments or fillers. 3,386,944, 6–4–68, Cl. 260—37.
Blomeyer, Friedrich, H. Gruber, R. Hebermehl, and R. Kubens, to Farbenfabriken Bayer Aktiengesellschaft. Polyurethane preparations containing hydrolyzable esters. 3,369,000, 2–13–68, Cl. 260—75.
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Blonde, Howard J., and J. P. Hill, to Blonde Products Inc. Valve device for controlling exhaust gases. 3,382,879, 5–14–68, Cl. 123—119.
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Blonder, Isaac S., to Blonder-Tongue Electronics. Pivoted antenna element locking mechanism. 3,365,722, 1–23–68, Cl. 343—881.
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Blondfield, Elwood F., to Beckman Instruments, Inc. Oxygen multisensor switching circuit. 3,392,333, 7–9–68, Cl. 324—140.
Blondheim, William S., and A. P. Patton, to Motomco Inc. Process of conveying difficultly dispersible materials into a readily dispersible form and products obtained thereby. 3,396,034, 8–6–68, Cl. 99—93.
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Blood, Charles H., J. L. Goodyear, and H. D. Korones, to Bausch & Lomb Inc. Gun telescope mounting having a fixed lateral adjustment member. 3,386,695, 6–4–68, Cl. 248—229.
Blood, Paul B. Liquid proportioning apparatus. 3,403,821, 10–1–68, Cl. 222—63.
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Duncan, William, and Blood. 3,401,539.
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Blood, Raymond, and E. Start, to William Cotton, Ltd. Machine latch guard. 3,397,555, 8–20–68, Cl. 66—88.
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Bloom, Frederick S., and R. L. Hoffman. Hearth firing apparatus. 3,379,423, 4–23–68, Cl. 263—6.
Bloom, Jack, and L. W. Brown, to Continental Coffee Co. Method of preparing brewed coffee. 3,373,041, 3–12–68, Cl. 99—68.
Bloom, James W., to General Motors Corp. Power one-way drive engaging wrench. 3,386,319, 6–4–68, Cl. 81—54.
Bloom, Joseph L., to Joseph Lucas (Industries) Ltd. Mechanisms for controlling speed responsive governors. 3,382,674, 5–14–68, Cl. 60—39.28.
Bloom, Joseph L., to Joseph Lucas (Industries) Ltd. Mechanisms for controlling speed responsive governors. 3,399,527, 9–3–68, Cl. 60—39.28.
Bloom, Leon. M. Cohen, and S. N. Porter, to The National Cash Register Co. Memory arrangement for electronic data processing system. 3,394,353, 7–23–68, Cl. 340—172.5.
Bloom, Leslie C., to Product Engineering Co. Swiveled golf cart handle. 3,401,931, 9–17–68, Cl. 280—47.17.

Bloom, Martin S., and M. R. Sharpe, to Imperial Chemical Industries, Ltd. Method of bonding together building panels and two-component adhesive composition used therefor. 3,388,022, 6–11–68, Cl. 156—326.
Bloom, Melvin S., and G. C. Newland, to Eastman Kodak Co. Ultraviolet light stabilized, 1-olefin resin composition. 3,391,-106, 7–2–68. Cl. 260—45.8.
Bloom, Meyer. Pipe cleaner. 3,414,926, 12–10–68, Cl. 15—104.3.
Bloom, Meyer. Cam mechanism. 3,417,629, 12–24–68, Cl. 74—56.
Bloom, Murray, to Hughes Aircraft Co. Plastic reaction products of a phosphonitrilic halide and a polyamine. 3,412,045, 11–19–68, Cl. 260—2.
Bloom, Otto N. Electric coils having serpentine leads. 3,376,-536, 4–2–68, Cl. 336—192.
Bloom, Thomas A., to The Sherwin-Williams Co. Phthalic anhydride color inhibition. 3,364,235, 1–16–68, Cl. 260—346.7.
Bloom, Walter L., and W. D. Tinsley, Jr. Unidirectional rotation transmission device. 3,412,620, 11–26–68, Cl. 74—141.
Bloom, Willard H., to Formetal, Inc. Self-engaging automatically-releasing sash balance locking device. 3,377,648, 4–16–68, Cl. 16—197.
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Foldenauer, Ralph M. 3,385,203.
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Bloomer, Ward J., and S. W. Martin, deceased (by B. B. Martin, administratrix), to The Lummun Co., and Great Lakes Carbon Corp. Coal solvation with nonhydrogenated solvent in the absence of added hydrogen. 3,379,638, 4–23–68, Cl. 208—8.
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Bloss, Herman, to The Seymour Products Corp. Latching device. 3,400,562, 9–10–68, Cl. 70—70.
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Blount, Bill G. Paint brush with adjustable brush angles. 3,362,038, 1–9–68, Cl. 15—172.
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Blount, Charles, Jr., and A. Niepraschk, to United Piece Dye Works. Apparatus for high-temperature dyeing or finishing of a fabric material. 3,402,577, 9–24–68, Cl. 68—9.
Blount, Lester L., and L. L. Thomas. Apparatus for withdrawal from tobacco habit. 3,402,724, 9–24–68, Cl. 131—198.
Blount, Luther H. Method of handling trawl gear. 3,360,881, 1–2–68, Cl. 43—4.5.
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Blowers, Ivan L., to Kal-Equip Co. Sensitive high current ammeter having plural magnetic armatures responsive to parallel conductors. 3,414,817, 12–3–68, Cl. 324—146.
Blubaugh, Otto J., to Jeffrey Gallon Mfg. Co. Calibration of belt conveyor scales. 3,396,573, 8–13–68, Cl. 73—1.
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Blue, Sidney D., to Reeves Brothers, Inc. Abrasive scouring materials. 3,387,956, 6–11–68, Cl. 51—297.
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Bluemle, Lewis W., Jr., to Research Corp. Disc-shaped, multiple cone type dialyzer having a tapered flow path. 3,362,-540, 1–9–68, Cl. 210—321.
Bluemle, Lewis W., Jr., to Research Corp. Compact blood dialyzer with a pleated membrane therein. 3,370,710, 2–27–68, Cl. 210—321.
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Blum, Joseph M., and M. Genser, to Solitron Devices Inc. Connection arrangement for three-element component to a micro-electronics circuit. 3,414,969, 12–10–68, Cl. 29—577.
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Blum, Louis, and W. J. Horgan, Jr., to Blumcraft of Pittsburgh. Barrier structure. 3,417,532, 12–24–68, Cl. 52—584.
Blum, Milton, to Ultra Custom Pak, Inc. Disposable container, container package and dispensing structure. 3,411,665, 11–19–68. Cl. 221—282.
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Blum, Pierre, C. Moreau, and L. Bochirol, to Commissariat a l'Energie Atomique. Process for the fabrication of fuel elements for nuclear reactors. 3,375,307, 3–26–68, Cl. 264—.5.
Blum, Robert M., and M. B. Hollander, to Caterpillar Tractor Co. Friction welding. 3,388,849. 6–18–68, Cl. 228—2.
Blum, Seymour, A. Mountvala, and R. McKinley, to IIT Research Institute. Method of making piezoelectric layers by flame spraying. 3,388,001, 6–11–68, Cl. 117—213.
Blum, Victor, 50% to Electronic Calculating Service, Inc. Digital-logic trainer. 3,410,001, 11–12–68, Cl. 35—19.
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Blumberg Rex H., H. L. Caswell, and C. Chiou, to International Business Machine Corp. Process control of indium sheet film memories. 3,400,014, 9–3–68, Cl. 117—217.
Blumberg, Ruth, S. Lavie, and A. Baniel, to Israel Mining Industries-Institute for Research and Development. Manufacture of magnesium phosphate by reaction of rock phosphate with magnesium sulfate. 3,383,167, 5–14–68, Cl. 23—105.
Blumberg, Ruth, A. M. Baniel, and P. Melzer, to Israel Mining Industries-Institute for Research and Development. Process for the manufacture of mono-alkali metal phosphates. 3,393,044, 7–16–68, Cl. 23—107.
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Blumel, Harald, O. Wiechulla, and W. Reuter, to Chemische Werke Huls Aktiengesellschaft. Vulcanization agents. 3,361,719, 1–2–68, Cl. 260—66.

Blumenberg, Horst H., and E. J Wolkoff, to Motorola, Inc. Manufacture of cathode ray tubes. 3,399,440, 9–3–68, Cl. 29—25.16.

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Bokey, John B., and B. B. Pearce, to Imperial Chemical Industries, Ltd. Ammonium polyphosphate preparation. 3,375,063, 3–26–68, Cl. 23—107.

Bokhoven, Cornelis, and W. J. Hanssen, to Stamicarbon N. V. Device for detecting variations in the oxygen content of gasses containing small amounts of oxygen. 3,398,358, 8–20–68, Cl. 324—29.

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Bokros, Jack C., and A. S. Schwartz, to United States of America, Atomic Energy Commission. Pyrolytic graphite and nuclear fuel particles coated therewith. 3,361,638, 1–2–68, Cl. 176—67.

Bokros, Jack C., J. Chin, and A. S. Schwartz, to Gulf General Atomic Inc. Deposition of massive pyrolytic carbon. 3,399,969, 9–3–68, Cl. 23—209.1.

Bokshitsky, Mary N., and D. F. Kagan, to Nauchno-Issledovatelsky Institute Sanitainoi. Device for testing plastic pipes by relaxation cracking. 3,366,565, 1–30–68, Cl. 204—195.

Boksjo, Carl I., to Allmanna Svenska Elektriska Aktiebolaget. High voltage static converter with semiconducting rectifiers. 3,405,343, 10–8–68, Cl. 321—5.

Boksjo, Carl I., and E. Uhlmann, to Allmanna Svenska Elektriska Aktiebolaget. Converter with semi-conductor rectifiers. 3,405,344, 10–8–68, Cl. 321—11.

Bol, William, and R. G. Johnson; said Johnson assor. to said Bol. Cabinet drawer and door opener. 3,376,088, 4–2–68, Cl. 312—319.

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Bolchert, Wilfred, to Rhone-Poulene S.A. Process for the preparation of polyvinyl alcohol by polymerising a vinyloxysilane and alcoholysing the polymer obtained. 3,418,293, 12–24–68, Cl. 260—80.

Bold, Walter, M. Baumann, H. Schill, and W. Volki, to Siemens Aktiengesellschaft. Process for the production of thin capacitor bands. 3,410,744, 11–12–68, Cl. 156—233.

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Bolen, Richard K., and W. E. Bolen, Jr., to The Northwestern Corp. Vending machine assembly including a stand with a coin box therein. 3,390,753, 7–2–68, Cl. 194—1.
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Bolger, James W., to Rexall Drug and Chemical Co. 7-aminomethyl-8-hydroxy-5-oxo-1,2,3,4-tetrahydrobenzopyrano[3,4-c] pyridines. 3,396,166, 8–6–68, Cl. 260—247.2.
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Bolhofer, William A., to Merck & Co., Inc. (α-Phenoxy)- and (α-phenylthio)-omega-phenyl-alkanoic acids. 3,378,582, 4–16–68, Cl. 260—520.
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Bolhofer, William A. 2-(phenoxy), 2-(phenylthio) and 2-(anilino) substituted 2-alkylideneacetic acid derivatives. 3,402,198, 9–17–68, Cl. 260—519.
Bolhofer, William A., and J. J. Baldwin, to Merck & Co., Inc. Alkanoylnaphthyloxy-carboxylic acids. 3,362,988, 1–9–68, Cl. 260—520.
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Bolstad, Archibald N., and J. M. Hoyt, to Minnesota Mining and Mfg. Co. Copolymers of fluorinated dienes and process for preparing same. 3,398,128, 8–20–68, Cl. 260—87.7.
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Bondurant, Maurice E., to Mobil Oil Corp. Process for drying wood materials by contact with a desiccant. 3,394,462, 7–30–68, Cl. 34—9.5.

Bondy, Herbert F., J. E. F. Williams, and P. G. Kirk, to Coalite and Chemical Products Ltd. Polyhalophenols. 3,417,150, 12–17–68, Cl. 260—623.

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Bone, Arnold R., to Dennison Mfg. Co. Label printer. 3,379,128, 4–23–68, Cl. 101—292.

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Bonnard, Louis, to Societe Jurine. Machines for cutting blanks for containers and the like. 3,362,303, 1–9–68, Cl. 93—58.4.

Bonnart, Jacques, and G. Pollane, to Rhone-Poulenc S.A. Production of benzyl alcohol and benzaldehyde. 3,387,036, 6–4–68, Cl. 260—599.

Bonnaure, Pierre E., to European Atomic Energy Community (Euratom). Control system for a travelling bridge or crane. 3,384,245, 5–21–68, Cl. 212—1.

Bonnefont, Edmond B. F.: *See*—
Chombard, Pierre A., Bonnefont, and Rambaud. 3,363,-473.

Bonnefont, Edmond B. F., to Societe Francaise d'Equipements Pour la Navigation Aerienne. Heading-setting device. 3,394,676, 7–30–68, Cl. 116—129.

Bonnel, Arthur J., to Ford Motor Co. Air filter. 3,417,551, 12–24–68, Cl. 55—498.

Bonnell, Charles R., to Electronic Communications, Inc. Liquid-weight data transmitter. 3,407,659, 10–29–68, Cl. 73—309.

Bonnell, Rollin A.: *See*—
Adamson, William G., Bonnell, and Feucht. 3,396,918.

Bonner, Marilyn P. Article supporting device. 3,392,952, 7–16–68, Cl. 248—350.

Bonner, Richard B., and R. M. Jorda, to Shell Oil Co. Process for treating cold wet surfaces and resulting products. 3,390,-007, 6–25–68, Cl. 117—182.

Bonner, Willard H., Jr., to E. I. du Pont de Nemours and Co. Microcellular polymeric structure. 3,375,212, 3–26–68, Cl. 260—2.5.

Bonner, Willard H., Jr., to E. I. du Pont de Nemours and Co. Method for inflating closed cell foams. 3,381,077, 4–30–68, Cl. 264—321.

Bonner, William A., and L. G. Van Uitert, to Bell Telephone Laboratories, Inc. Growth of divalent metal aluminates. 3,370,963. 2–27–68, Cl. 106—42.

Bonner, William A., and L. G. Van Uitert, to Bell Telephone Laboratories, Inc. Semiconducting niobate/tantalate compositions. 3,417,032, 12–17–68, Cl. 252—518.

Bonneric, Francis, to Service d'Exploitation Industrielle des Tabacs et des Allumettes. Apparatus for preparing equal ponderal doses of tobacco or like material. 3,404,742, 10–8–68, Cl. 177—59.

Bonnet, Georges, to Commissariat A l'Energie Atomique. Automatic calculation of correlation functions. 3,366,782, 1–30–68, Cl. 235—181.

Bonnet, Robert E., and J. S. Hill, to Engelhard Industries, Inc. Method of making a mandrel for precision-shaping internal surfaces on glass vessels. 3,371,409, 3–5–68, Cl. 29—528.

Bonnett, Jean, to Commissariat a l'Energie Atomique. Closed-volume permeameter. 3,401,554, 9–17–68, Cl. 73—38.

Bonnett, John R., and R. E. Raatetter, to Louis Marx & Co., Inc. Racing toy. 3,362,350, 1–9–68, Cl. 104—149.

Bonnett, Roy E., to Ford Motor Co. Windshield washer nozzle. 3,406,908, 10–22–68, Cl. 239—284.

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Bonney, Robert S. Low bridge warning device for vehicles. 3,419,847, 12–31–68, Cl. 340—22.

Bonnin, Andre: *See*—
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Bonnivard, Georges, to Institut de Recherches de la Siderurgie and Bureau de Recherches Geologiques et Minieres. Method of treating laterites. 3,409,427, 11–5–68, Cl. 75—1.

Bono, David, to Association des Ouvriers en Instruments de Precision. Anodization of a copper-nickel-manganese alloy. 3,389,061, 6–18–68, Cl. 204—32.

Bono, Evert L., Jr., to Boonston Molding Co. Automobile window glass trim. 3,383,823, 5–21–68, Cl. 52—716.

Bono, Luigi, to Necchi Societa per Azioni. Automatic device applied to a sewing machine for feeding the fabric. 3,361,-094, 1–2–68, Cl. 112—2.

Bono, Luigi, to Necchi Societa per Azioni. Sewing machine for sewing buttons. 3,361,099, 1–2–68, Cl. 112—159.

Bono, Luigi, to Necchi Societa per Azioni. Basting device for zig-zag type sewing machines. 3,361,110, 1–2–68, Cl. 112—159.

Bono, Luigi, to Necchi Societa Per Azioni. Baste sewing process. 3,362,363, 1–9–68, Cl. 112—158.

Bono, Luigi, to Necchi Societa Per Azioni. Hook gate for sewing machines. 3,362,364, 1–9–68, Cl. 112—188.

Bono, Luigi, to Necchi Societa per Azioni. Device for basting applied to sewing machines of the zigzag type. 3,372,660, 3–12–68, Cl. 112—153.

Bono, Luigi, to Necchi Societa per Azioni. Oil circulation device in a sewing machine. 3,379,152, 4–23–68, Cl. 112—256.

Bono, Luigi, to Necchi Societa per Azioni. Bobbin case holder for sewing machines. 3,381,642, 5–7–68, Cl. 112—229.

Bono, Luigi, to Necchi Societa per Azioni. Automatic button loading device for sewing machines. 3,390,812, 7–2–68, Cl. 221—173.

Bonotto, Sergio, and E. R. Wagner, to Union Carbide Corp. Compositions of polyvinylchloride and randomly chlorinated polyethylene. 3,396,211, 8–6–68, Cl. 260—897.

Bonsch, Francois R., to Mathias Bauerle G.m.b.H. Machine for the automatic insertion of enclosures, such as letters, printed matter and the like. 3,410,053, 11–12–68, Cl. 53—266.

Bontrager, Lloyd J., to Star Tank and Boat Co. Camping trailer. 3,377,098, 4–9–68, Cl. 296—27.

Bontrager, Lloyd J., to Star Tank and Boat Co. Flexible side wall holder. 3,380,507, 4–30–68, Cl. 160—327.

Bonuchi, James A., and R. A. Braeking, to Gordon Johnson Co. Apparatus for defrosting food products. 3,384,002, 5–21–68, Cl. 99—234.

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Meyer, Jean, Bonvallet, and Fasani. 3,393,268.

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Boocock, Peter M., and G. A. Milne, to United Kingdom Atomic Energy Authority. Tube joints. 3,378,283, 4–16–68, Cl. 285—187.

Bood, Louris, to Mowid Anstalt. Apparatus for agitating and aerating exposed bodies of water. 3,365,178, 1–23–68, Cl. 261—25.

Boodson, Norman, to Lighting Fasteners Ltd. Machine for folding flexible foldable articles. 3,402,926, 9–24–68, Cl. 270—83.

Boody, Frederick J., to United States of America, Navy. Aircraft launching mechanism. 3,370,811, 2–27–68, Cl. 244—63.

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Booher, Russell L., to Shell Oil Co. Lubricant compositions containing dithiocarbamates. 3,412,026, 11–19–68, Cl. 252—33.3.

Booher, Walter C., to Voss Engineering Co. Shearing and welding apparatus. 3,386,640, 6–4–68, Cl. 228—5.

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Taylor, Paul E., K. M., and Bookout. 3,400,610.

Bookout, Charles C., and F. E. Ullery, to Ford Motor Co. Control for fluid pump bypass. 3,382,809, 5–14–68, Cl. 103—97.

Bookout, Conrad B., to F. A. Young Machine Co., Inc. Bobbin drive gear for textile roving frame. 3,395,526, 8–6–68, Cl. 57—102.

Bookout, Conrad B., to G. W. Murphy Industries, Inc. Textile picker and drive arrangement therefor. 3,401,428, 9–17–68, Cl. 19—89.

Bookout, Floyd V., to Rock-Ola Mfg. Corp. Mixing apparatus for beverage. 3,385,569, 5–28–68, Cl. 259—60.

Bookwalter, George N., and F. H. Brock, to A. E. Staley Mfg. Co. Liquid shortening composition. 3,407,071, 10–22–68, Cl. 99—94.

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Boomhower, Robert R. Puzzle. 3,387,847. 6–11–68, Cl. 273—159.

Boon, William. Photosensitive device for conveying and counting fabrics. 3,388,260, 6–11–68, Cl. 250—222.

Boone, Henry S. Opposed piston engine. 3,384,057, 5–21–68, Cl. 123—51.

Boone, Henry S. Trailer hitch. 3,410,578, 11–12–68, Cl. 280—484.

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Boone, John W., and H. S. Todd, to International Business Machines Corp. Diazo development process. 3,411,906, 11–19–68, Cl. 96—49.

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Boonshaft, Julius C., and K. W. Zeuner, to Weston Instruments, Inc. Fast release valve. 3,381,931, 5–7–68, Cl. 251—30.

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Boonstra, Harm J., J. T. Semeyns de Vries van Doesburgh, J. J. M. Deumens, and H. J. A. Delahaye, to Stamicarbon N.V. Process for nitrating aromatic compounds in liquid sulfur dioxide. 3,415,876, 12-10-68, Cl. 260—515.

Boonstra, Lieuwe, to North American Philips Co., Inc. Arrangement including a DC-AC converter with at least one controlled rectifier. 3,412,309, 11-19-68, Cl. 321—12.

Boor, John, Jr., to Shell Oil Co. Polymerization catalyst and process. 3,394,118, 7-23-68, Cl. 260—93.7.

Boor, John, Jr., to Shell Oil Co. Catalyst and process for polymerization. 3,398,130, 8-20-68, Cl. 260—93.7.

Boor, John, Jr., and E. A. Youngman, to Shell Oil Co. Polymerization catalysts and process. 3,400,112, 9-3-68, Cl. 260—93.7.

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Kaiser, Wilhelm J., Sturm, and Boosen. 3,368,942.

Boosen, Karl-Josef, to Therachemie Chemisch Therapeutische Gesellschaft m.b.H. Azo compounds for dyeing human hair. 3,368,941, 2-13-68, Cl. 167—88.

Boosen, Karl-Josef, and G. Reese, to Therachemie Chemisch therapuitische Gesellschaft m.b.H. Diaminoanthraquinones and their use as human hair dyes. 3,401,003, 9-10-68, Cl. 8—10.1.

Boosey, Lawrence N., R. A. Trentham, and J. H. Beckman, to Union Carbide Corp. Cryogenic fluid transfer condult. 3,369,826, 2-20-68, Cl. 285—47.

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Booth, Albert B., to Hercules Inc. Isomerization of 3-carene to 4-carene and further conversion of the 4-carene. 3,407,242, 10-22-68, Cl. 260—675.5.

Booth, Albert B., to Hercules, Inc. Method of obtaining essentially pure estragole. 3,408,405, 10-29-68, Cl. 260—612.

Booth, Alfred E., to Raytheon Co. High power microwave energy waveguide coupling gasket. 3,400,344, 9-3-68, Cl. 333—98.

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Booth, Arthur, to Interchemical Corp. Textile printing pastes comprising carboxyl polymer, salt of copolymer partial ester and epoxidized soybean oil. 3,366,588, 1-30-68, Cl. 260—23.

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Booth, Claude B. Sheet metal building structure. 3,377,759, 4-16-68, Cl. 52—276.

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Booth, Robert B., and R. P. Welcher, to American Cyanamid Co. Using lactamic sulfate to clean and remove deposits. 3,369,935, 2-20-68, Cl. 134—3.

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Booth, William M., to H. K. Porter Co., Inc. Disconnect switch. 3,361,879, 1-2-68, Cl. 200—48.

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Boothe, Willis A., to General Electric Co. Liquid level control means. 3,404,700, 10-8-68, Cl. 137—81.5.

Boothe, Willis A., to General Electric Co. Fluid temperature controls particularly for gas turbine engines. 3,416,310, 12-17-68, Cl. 60—39.28.

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Nicholson, John S., and Adams. 3,385,887.
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Bopp, Achim, and G. Krause, to Fernseh G.m.b.H. Method and apparatus for equalizing timing errors in signals containing periodic components. 3,419,681, 12-31-68, Cl. 178—69.5.

Bopp, Harold F., J. E. Megles, and J. W. Morrissey, to Corning Glass Works. Method of glazing semicrystalline glass-ceramic articles and resultant intermediate layer composite. 3,384,508, 5-21-68, Cl. 117—123.

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Borasio, Leo, S. A. Ronlov, and C. C. Jancewicz, to The Stearns-Roger Corp. Spread-footed three-dimensional headframe and method of erecting same. 3,378,304, 4-16-68, Cl. 299—18.

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Borchardt, Hans J., to E. I. du Pont de Nemours and Co. Thoria/europium fluoride luminophors. 3,408,303, 10–29–68, Cl. 252—301.1.
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Bossard, Paul A., to Ets. Carpano & Pons. Synchronous electrical motor. 3,414,751, 12–3–68, Cl. 310—164.

Bossard, Werner: *See*—
Bosshard, Hans, and Bossard. 3,362,967.
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Bosse, David W.: *See*—
Gragson, James T., and Bosse. 3,384,585.

Bosse, Rolf, E. Klettke, and H. Schlegel, to Telefunken Patentverwertungsgesellschaft m.b.H. Resonant circuits with switchable capacitive tuning diodes. 3,391,347, 7–2–68, Cl. 330—31.

Bosselaar, Hendrik, and A. J. Van Riemsdijk, to Shell Oil Co. Recorder for detecting and locating leaks in pipelines by ultrasonic vibration. 3,409,897, 11–5–68, Cl. 346—33.

Bossert Mfg. Co.: *See*—
Mount, Wadsworth W. 3,386,407.

Bosshard, Hans, and W. Bossard, to J. R. Geigy, A.-G. Thioether naphthoxidine derivatives. 3,362,967, 1–9–68, Cl. 260—396.

Bosshard, Hans-Heinrich, and H. Zollinger, to Ciba Ltd. Process for the manufacture of amide-acetals. 3,412,153, 11–19–68, Cl. 260—563.

Bosshard, Rene: *See*—
Sutter, Hans, Zutter, and Bosshard. 3,382,246.

Bosshart, John L., to Sun Electric Corp. Testing apparatus for dual hydraulic systems. 3,418,843, 12–31–68, Cl. 73—37.

Bossinger, Charles D.: *See*—
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Bossinger, Charles D., and K. G. Taylor, to Armour Pharmaceutical Co. Diphenyl hydroxy carbamate compounds. 3,374,265, 3–19–68, Cl. 260—482.

Bossler, Robert B., Jr., to Kaman Corp. Journal bearing. 3,394,972, 7–30–68, Cl. 308—122.

Bosso, Joseph F.: *See*—
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Bost, Howard W., to Phillips Petroleum Co. Sulfoxidation process. 3,413,337, 11–26–68, Cl. 260—513.

Bostic, Charles R., W. M. Davis, and H. M. Stevens, to Monsanto Co. Chemical equipment. 3,367,303, 2–6–68, Cl. 118—49.5.

Bostick, Edgar E., to General Electric Co. Ordered organopolysiloxanes. 3,378,521, 4–16–68, Cl. 260—46.5.

Bostick, Edgar E., to General Electric Co. Photopolymerization of cyclotrisiloxanes. 3,415,728, 12–10–68, Cl. 204—159.13.

Boston, John, to Aquarius Industries. Home tap water purification device. 3,406,828, 10–22–68, Cl. 210—137.

Boston Machine Works Co.: *See*—
Heiseler, George W. 3,370,968.
Langevin, Wilfred L. 3,413,178.

Boston, Robert L., and C. A. Roth, to GAF Corp. Photocopy reroll assembly. 3,406,921, 10–22–68, Cl. 242—55.

Bostrom, Bernard G., to Reynolds Printasign Co. Adjustable type construction. 3,410,209, 11–12–68, Cl. 101—368.

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Bostrom, Harry H., to Molon Motor & Coil Corp. Blower. 3,407,993, 10–29–68, Cl. 230—117.

Bostwick, Deward M. Pack box assembly for motorcycles. 3,362,596, 1–9–68, Cl. 224—31.

Bostwick, Dunbar W., to Aviation Instrument Mfg. Corp. Aircraft flight control system. 3,400,581, 9–10–68, Cl. 73—178.

Bostwick, Robert, to Union Carbide Corp. Bag and closure therefor. 3,412,926, 11–26–68, Cl. 229—62.

Boswau, Hans P., to Automatic Electric Laboratories, Inc. Relay counting chain. 3,387,186, 6–4–68, Cl. 317—140.

Boswell, Donald E., to Mobil Oil Corp. Catalytic synthesis of vinylaromatics with COS. 3,399,243, 8–27–68, Cl. 260—669.

Boswell, George A., to E. I. du Pont de Nemours and Co. Selected derivatives of 17,17-difluoro-4-androstene-3-one. 3,378,550, 4–16–68, Cl. 260—239.55.

Boswell, George A., Jr., to E. I. du Pont de Nemours and Co. Selected 17-fluoro-Δ^{16} steroids. 3,413,321, 11–26–68, Cl. 260—397.

Boswell, Jack D., to Omega-Northeast, Inc. Concrete pumping station with a ballast trough. 3,393,644, 7–23–68, Cl. 103—87.

Boswell, Paul B., to General Electric Co. Gyroscopes. 3,401,567, 9–17–68, Cl. 74—5.

Bosworth, Marcellus M. Golf ball cleaning and chalking device. 3,379,168, 4–23–68, Cl. 118—72.

Bosworth, Raymond H., to Bell Telephone Laboratories, Inc. Mounting of circuit components. 3,384,865, 5–21–68, Cl. 339—193.

Bosworth, Robert H., and E. A. Cohen, to The Bendix Corp. Means for lubrication of gas vane motors. 3,376,951, 4–9–68, Cl. 184—6.

Bosworth, Seymour, J. Zauderer, and W. S. Douglas, to Abbey Electronics Corp. Calibration device for electrical instruments having an error percentage indicator. 3,390,327, 6–25–68, Cl. 324—74.

Bosy, George: *See*—
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Botalam: *See*—
Grenon, Rene E. 3,408,015.
Missioux, Jean. 3,379,099.
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Botden, Theodoor P. J.: *See*—
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Boteler, Henry W., to Grinnell Corp. Diaphragm valves with multi-part compressors. 3,376,887, 4–9–68, Cl. 137—316.

Boteler, Henry W., to Grinnell Corp. Plastic lined valve. 3,407,838, 10–29–68, Cl. 137—375.

Botello, Americo. Load displacing device for hand trucks. 3,403,800, 10–1–68, Cl. 214—511.

Bothwell, Marvin R.: *See*—
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Bothwell, Marvin R., to The Dow Chemical Co. Diffusion cladding aluminum article with a diffused zinc coat. 3,390,970, 7–2–68, Cl. 29—197.

Botjer, John L., E. O. Donner, H. E. Frye, and H. S. Keeler, to International Business Machines Corp. Display device with synchronized video and BCD data in a crystal storage. 3,413,610, 11–26–68, Cl. 340—172.5.

Botjer, John L., E. O. Donner, H. E. Frye, and H. S. Keeler, to International Business Machines Corp. Delay line buffer storage circuit. 3,413,615, 11–26–68, Cl. 340—173.

Botka, Alexander T., to Transitron Electronics Corp. Semiconducting device. 3,365,794, 1–30–68, Cl. 29—580.

Botkachik, Iosif A. Device for sealing the rotor of a regenerative air heater. 3,409,073, 11–5–68, Cl. 165—9.

Botkin, Albert L. Method of making a screw cap liner and assembling same in a screw cap. 3,363,305, 1–16–68, Cl. 29—458.

Bot-Langlet, Yves, to Societe Anonyme Heurtey. Device for spray-freezing liquids. 3,404,541, 10–8–68, Cl. 62—314.

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Botnick, Irlin. Push-button mixing valve. 3,370,609, 2–27–68, Cl. 137—607.

Bott, Adolf H., to Radio Corp. of America. Modulation technique exhibiting improved stabilization at high carrier frequencies. 3,375,470, 3–26–68, Cl. 332—45.

Bott, Lawrence L.: *See*—
Braithwaite, David G., and Bott. 3,380,899.
Braithwaite, David G., Bott, Gross, Laubach, Altman, and Hanzel. 3,408,273.
Braithwaite, David G., Bott, and Phillips. 3,380,900.

Bottani, Angelo. Cooling apparatus employing expanding gas. 3,367,136, 2–6–68, Cl. 62—514.

Bottani, Angelo, to Societa Internazionale Fonovisione S.p.A. Film extension means for automatic film projectors. 3,405,882, 10–15–68, Cl. 242—74.

Bottasso, Franco, to Pirelli S.p.A. Apparatus for detecting, measuring and recording irregularities of behavior in loaded pneumatic tires. 3,375,714, 4–2–68, Cl. 73—146.

Bottazzi, Henri, A. Renouprez, D. Weigel, and M. Prettre, to Centre National de La Recherche Scientifique. Apparatus for the study of the small angle acattering of X-rays using an angularly displaceable detector. 3,371,207, 2–27–68, Cl. 250—51.5.

Bottcher, Alfred, to Veb Medizintechni Leipzig. Endoscope device. 3,368,552, 2–13–68, Cl. 128—4.

Bottenbruch, Ludwig: *See*—
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Schnell, Hermann, and Bottenbruch. 3,386,954.
Schnell, Hermann, Bottenbruch, Darsow, and Weirauch. 3,419,526.

Bottenbruch, Ludwig, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Process for producing high molecular weight polybenzoxazine diones. 3,379,686, 4–23–68, Cl. 260—47.

Bottger, Heinz, to Cella-Lackfabrik Dr. C. Schleussner, G.m.b.H. Electrical conductors prepared from polyesters containing tris-(2-hydroxyethyl)-isocyanurate or tris-(2-carboxyethyl)-isocyanurate reacted with polyesteramides. 3,415,903, 12–10–68, Cl. 260—857.

Bottling, Manfred, to Klenzle Apparate G.m.b.H. Heart cam clearing device. 3,368,750, 2–13–68, Cl. 235—144.

Bottling, Manfred, to Klenzle Apparate G.m.b.H. Printing arrangement for fluid dispensing apparatus. 3,411,668, 11–19–68, Cl. 222—30.

Bottom, Theodore J. Strip-feeding and shearing mechanism. 3,417,644, 12–24–68, Cl. 83—230.

Bottomley, Alastair H., P. R. D. Styles, P. H. Jilbert, J. W. Birtill, and J. R. Truscott, to National Research Development Corp. Prosthetic hand with improved control system for actuation by electromyogram signals. 3,418,662, 12–31–68, Cl. 3—1.1.

Bottomley, Anthony, to Phillips Petroleum Co. Pile fabrics from nonwoven fabrics. 3,416,299, 12–17–68, Cl. 57—31.

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Bottoms, Harry S., and J. J. Righton, to Joseph Lucas (Industries), Ltd. Fluid pumps. 3,362,346, 1–9–68, Cl. 103—223.

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Botton, Roger and A. Delcolgne, to Produits Chimiques Pechiney-Saint Gobain. Process and apparatus for the preparation of ammonia and chlorine from ammonium chloride. 3,402,999, 9–24–68, Cl. 23—193.

Botton, Roger, and A. Steinmetz, to Produits Chimiques Pechiney Saint-Gobain. Catalytic process and composition for the production of ammonia and chlorine from ammonium chloride. 3,410,657, 11–12–68, Cl. 23—193.

Bottorf, Harry F., Jr.: *See*—
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Bottorf, Robert J.: *See*—
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Preston, Frank S., and Botwin. 3,365,148.

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Kirshenbaum, Isidor, Bouboulis, and White. 3,390,137.

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Bouchard, Edward F., C. P. Hetzel, and R. D. Olsen, to Chas. Pfizer & Co., Inc. Process of sweetening fooda with maltol and sugar. 3,409,441, 11–5–68, Cl. 99—28.

Bouchard, John R., and H. Packard, to Northrop Corp. Self-testing variable transformer. 3,368,142, 2–6–68, Cl. 323—51.

Bouchard, Joseph G. F., to Sprague Electric Co. Chopper amplifier having high breakdown voltage. 3,365,629, 1–23–68, Cl. 317—235.

Boucher, Gerald, to Sanders Associates, Inc. Method of producing printed circuits. 3,374,129, 3–19–68, Cl. 156—3.

Boucher, Gilbert, to CSF-Compagnie Generale de Telegraphie Sans Fil. Magnet structure for cylindrical gas-filled crossed-field diodes. 3,387,165, 6–4–68, Cl. 313—156.
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Hochart, Roger. 3,414,471.
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Williams, Gerald I., Boucher, Duffy, and Olson. 3,418,043.
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Boucher, Pierre. Machine for grinding parts according to a jig contour. 3,375,613, 4–2–68, Cl. 51—101.
Boucher, Raymond M. G., to Macrosonics Corp. Metallurgical processing apparatus. 3,398,944, 8–27–68, Cl. 266—34.
Boucher, Raymond R., W. J. Maynard, and B. Sabo, to United Aircraft Corp. Columbium alloy separator. 3,380,917, 4–30–68, Cl. 252—25.
Boucher, Robert J., to Hughes Aircraft Co. Radar range computer. 3,369,232, 2–13–68, Cl. 343—9.
Boucher, Robert J., to United States of America, Air Force. Nonlinear lighting control. 3,376,471, 4–2–68, Cl. 315—178.
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Boucherle, Robert H.: *See*—
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Boudakian, Max M., M. Lapkin, and E. R. Shipkowski, to Olin Mathieson Chemical Corp. Methyl fluoride and methylene fluoride process. 3,377,394, 4–9–68, Cl. 260—653.
Boudigues, Alexandre, to CSF-Compagnie Generale de Telegraphis Sans Fil. Hall effect D.C. motor. 3,375,422, 3–26–68, Cl. 318—138.
Boudouris, Angelo, to Eprad Inc. Locking arrangement for food trays. 3,362,543, 1–9–68, Cl. 211—133.
Boudouris, Angelo. Aircraft collision avoidance system. 3,408,-651, 10–29–68, Cl. 343—112.
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Boudreaux, Richard J., Jr. Sugarcane planter. 3,404,808, 10–8–68, Cl. 221—185.
Boudry, Jean C., M. Chambon, P. Faugeras, C. Lheureux,, and X. L. R. Talmont, to Commissariat a l'Energie Atomique. Processes for simultaneously purifying and concentrating plutonium solutions. 3,387,945, 6–11–68, Cl. 23—341.
Bouffard, Roland A., to Esso Research and Engineering Co. Rust-inhibited hydrocarbon fuels. 3,387,953, 6–11–68, Cl. 44–63.
Bougard, Jacques, to Ateliers J. Hanrez, Societe anonyme. Apparatus for submerged combustion heating. 3,407,805, 10–29–68, Cl. 126—360.
Boughner, Joseph C., to Republic Steel Corp. Adjustable stud anchor. 3,363,392, 1–16–68, Cl. 52—715.
Boughton, Frank E., to In-Line Products, Inc. Mounting device and method for applying a printing plate to a cylinder. 3,390,633, 7–2–68, Cl. 101—401.1.
Boughton, Lowell D., to The Dow Chemical Co. Hydraulic bond between casing and formation wall. 3,416,602, 12–17–68, Cl. 166—29.
Boughton, Peter, to British Oxygen Co. Ltd. Electric arc welding. 3,365,564, 1–23–68, Cl. 219—131.
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Boughtwood, John E., and H. Harris, to The Western Union Telegraph Co. Data transmission amplifier. 3,363,191, 1–9–68, Cl. 330—17.
Bouguet, Rene. Fluid detection apparatus having magnetic actuating means. 3,363,073, 1–9–68, Cl. 200—81.9.
Bouiller, Jean G.: *See*—
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Bouix, Maurice G., to Societe Anonyme: Societe Alsacienne de Constructions Atomiques de Telecommunications et d'Electronique. Linear array of horn antennas with phasing and amplitude control for scanning. 3,382,502. 5–7–68, Cl. 343—777.
Bouladon, Gabriel: *See*—
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Bouladon, Gabriel. Pneumatic transport means. 3,408,113, 10–29–68, Cl. 302—2.
Bouladon, Gabriel, and P. Zuppiger, to The Battelle Development Corp. Continuous transport installation. 3,364,872, 1–23–68, Cl. 104—25.
Bouladon, Gabriel, and P. Zuppiger, to The Battelle Development Corp. Continuous transport installation. 3,400,665, 9–10–68, Cl. 104—25.
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Boultinghouse, Harold D., to Phillips Petroleum Co. Method and apparatus for fibrillating. 3,369,435, 2–20–68, Cl. 83—30.
Boulton Paul Aircraft Ltd.: *See*—
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Bourdeau, Romeo G., to Union Carbide Corp. Metallic carbides and a process of producing the same. 3,399,980, 9–3–68, Cl. 23—345.
Bourdeau, Romeo G., and F. E. Papalegis, to Union Carbide Corp. Process for producing coatings on carbon and graphite filaments. 3,369,920, 2–20–68, Cl. 117—46.
Bourdeau, Romeo G., and F. E. Papalegis, to Union Carbide Corp. Process for producing pyrolytic graphite whiskers. 3,378,345, 4–16–68. Cl. 23—209.1.
Bourderau, Louis. Gas lighter. 3,367,148, 2–6–68, Cl. 67—7.1.
Bourgau, Yolande, and J. Fritz, to Societe Progil. Polyvinyl chloride stabilized with mixtures of a PCl5-bis phenol reaction product, epoxy resin and heavy metal salt. 3,400,088, 9–3–68, Cl. 260—23.
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Westby, Lloyd R., and Bourgeois. 3,394,595.
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Westby, Lloyd R., and Bourgeois. 3,403,573.
Bourgeois, Hector S., to General Electric Co. Gas turbine engine inspection apparatus. 3,362,160, 1–9–68, Cl. 60—39.75.
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Bourke, Lester T. Headgear-mounted eye protector with angled-hinged eye shields. 3,383,155. 5–14–68, Cl. 351—155.
Bourland, William L. Distillation and condensation system for converting salt water to fresh water. 3,397,116, 8–13–68, Cl. 202—177.
Bourland, William L. Salt water distillation and condensation utilizing alternate steam expansion-compression heat cycle to evaporate salt water. 3,397,119. 8–13–68, Cl. 203—11.
Bournazel, Claude L., to Societe de Prospection Electrique Schlumberger, S.A. Well sampler. 3,411,587, 11–19–68, Cl. 166—165.
Bourne, Benjamin F.: *See*—
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Bournez, Lucien, and L. R. Clement, to Societe Nouvelle Spidem. Rolling mill for processing cold metal strip. 3,389,-592, 6–25–68, Cl. 72—250.
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Armstrong, William R. 3,382,417.
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Hickman, Harold G., Jones, Bomar, and Harrison. 3,402,-692.
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Pontius, Bruce E. 3,377,567.
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Smith, James V. 3,375,759.
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Tweed, Donald G., and Jungblut. 3,402,693.
Bourquard, Fernand, and R. Brouee, to Commissariat a l'Energie Atomique. Sonic analyser. 3,381,520, 5–7–68, Cl. 73—24.
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Bourreau, George R., and J. H. Collu, to International Standard Electric Corp. Circuit for generating a floating reference output voltage. 3,416,066, 12-10-68, Cl. 323—16.
Bousageon, Louis H. A. Fishing rods. 3,405,473, 10-15-68, Cl. 43—21.
Boushak, William M., to General Mills, Inc. Food materials mixing process. 3,416,929, 12-17-68, Cl. 99—17.
Bouskill, Frederick M., deceased; St. Joseph Bank and Trust Co., and J. S. Bouskill, to J. S. Bouskill. Water conditioning system. 3,396,845, 8-13-68, Cl. 210—98.
Bouskill, June S.: *See*—
Bouskill, Frederick M. 3,396,845.
Bousquet, Euclid W., to E. I. du Pont de Nemours and Co. 2-substituted pyrazoloisoindolones. 3,407,206, 10-22-68, Cl. 260—310.
Bousquet, Euclid W., to E. I. du Pont de Nemours and Co. 2-substituted pyrazoloisoindolones as herbicides. 3,409,425, 11-5-68, Cl. 71—76.
Boutelant, Paul, to Compagnie Generale d'Electricite. Parasitic mode filter. 3,411,116, 11-12-68, Cl. 333—98.
Bouteleux, Rene. Device for balanced homogenization of air and liquid fuel mixtures in internal combustion engines. 3,414,242, 12-3-68, Cl. 261—18.
Bouthilet, Robert J. Method of making a fruit flavored concentrate. 3,365,298, 1-23-68, Cl. 99—78.
Bouthors, Pierre, and P. Ventre, to Regie Nationale des Usines Renault. Automatic regulators of air conditioning systems of vehicles. 3,403,855, 10-1-68, Cl. 237—8.
Boutillon, Gabriel, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Two-stage electrolytic process for preparing high-concentration sodium chlorate solutions. 3,400,063, 9-3-68, Cl. 204—95.
Boutin, Charles U., to North American Rockwell Corp. Internally stabilized inertial instrument. 3,368,777, 2-13-68, Cl. 244—3.2.
Boutland, John A.: *See*—
Cockerell, Christopher S., Grace, and Boutland. 3,405,675.
Bouton, Gertrude V.: *See*—
Vischer, Alfred, Jr. 3,393,628.
Vischer, Alfred, Jr. 3,409,164.
Bouton, William J., Jr.: *See*—
Testa, Carmen, and Bouton. 3,401,968.
Boutonnet, Alexandre, to Societe Rhodiaceta. Yarn packaging and method of making. 3,396,835, 8-13-68, Cl. 206—46.
Boutry, Georges-Albert: *See*—
Lotv, Charles. 3,376,464.
Boutwell, Frederick K., A. B. Wenzel, and A. C. Charters, to General Motors Corp. High speed gate valve. 3,373,758, 3-19-68, Cl. 137—68.
Bouvet, Jean: *See*—
Lhoste, Pierre, and Bouvet. 3,413,078.
Bouvy, Marc J. M., and R. Mouneyrat, to Shell Oil Co. Wax, polymer, werner complex composition. 3,365,407, 1-23-68, Cl. 260—28.5.
Bouwers, Albert, to N.V. Optische Industrie de Oude Delft. Telescope system. 3,407,302, 10-22-68, Cl. 250—213.
Bouyoucos, John V., to General Dynamics Corp. Acoustic apparatus. 3,371,726, 3-5-68, Cl. 173—134.
Bouyoucos, John V., to General Dynamics Corp. Flexural disc transducer. 3,382,841, 5-14-68, Cl. 116—137.
Bouyoucos, John V., to General Dynamics Corp. Hydroacoustic apparatus. 3,415,330, 12-10-68, Cl. 175—56.
Bouzou, Georges: *See*—
Auchapt, Pierre, and Bouzou. 3,395,988.
Bova, Joseph D., to American Cyanamid Co. Method for expanding aluminum honeycomb. 3,403,542, 10-1-68, Cl. 72—302.
Bovard, Pierre, and A. Grauby, to Commissariat a l'Energie Atomique. Apparatus for the radioactive decontamination of water. 3,405,050, 10-8-68, Cl. 204—240.
Bove, Joseph M. Heating boiler. 3,366,092, 1-30-68, Cl. 122—33.
Bovenizer, William N., to McGraw-Edison Co. Tap changing of paralleled transformer windings. 3,418,562, 12-24-68, Cl. 323—43.5.
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Cambon, Theophile, and Bovics. 3,370,939.
Boving and Co., Ltd: *See*—
Stephenson, James W. 3,371,683.
Bovio, Ilario: *See*—
Gassino, Teresio, and Bovio. 3,404,765.
Bovone, Luigi. Device fitted with clamping means, for imparting a reciprocating motion to a machine component. 3,390,582, 7-2-68, Cl. 74—37.
Bowar, Gerald J., J. A. Marshall, and L. H. Sperow, to General Electric Co. Integral transformer-rectifier system wherein liquid cooled heat sinks for current rectifying components are mounted on coaxial bushings. 3,370,216, 2-20-68, Cl. 321—8.
Bowater-Scott Corp. Ltd.: *See*—
Murdoch, Ian L. 3,417,751.
Bowaters United Kingdom Paper Co. Ltd.: *See*—
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Parker, John R. 3,379,050.
Bowcutt, Alvin A., D. J. Bolliker, and B. Polikaitis, to Union Tank Car Co. Hopper car fabrication. 3,374,528, 3-26-68, Cl. 29—471.1.
Bowden, Benjamin G., to M. N. Bowden (Noreen), Bicycle frame. 3,375,024, 3-26-68, Cl. 280—281.
Bowden, George F., to Symons Mfg. Co. Concrete wall form panel with inherently reinforced crossbars. 3,362,676, 1-9-68, Cl. 249—192.
Bowden, George F., to Symons Mfg. Co. Tie rod with small increment variable effective length. 3,362,678, 1-9-68, Cl. 249—214.
Bowden, George F., to Symons Mfg. Co. Multi-unit tie rod for a concrete wall form. 3,396,936, 8-13-68, Cl. 249—214.
Bowden, George F., and R. T. Dagiel, to Symons Mfg. Co. Rivetless concrete wall form panel with plywood facing and metal studding. 3,399,859, 9-3-68, Cl. 249—189.
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Vollink, Willard L., Kenyon, Barnett, and Bowden. 3,395,022.
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Bowden, Kenneth: *See*—
Broadbent, John L., Bowden, and Ross. 3,377,241.
Bowden, Lee C., to General Time Corp. Alarm clock having a touch type delay feature. 3,367,103, 2-6-68, Cl. 58—21.155.
Bowden, Lee C., to General Time Corp. Alarm clock having touch type shutoff. 3,382,665, 5-14-68, Cl. 58—21.15.
Bowden, Mary N.: *See*—
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Bowdil Co., The: *See*—
Morrow, Harry M. 3,362,754.
Bowdish, Frank W. Process for refining sands. 3,374,062, 3-19-68, Cl. 23—182.
Bowditch, Hoel L., and P. H. Sanford, to The Foxboro Co. Force balance apparatus. 3,371,862, 3-5-68, Cl. 235—200.
Bowditch, Philip N., to United States of America. Radio telescope. 3,392,398, 7-9-68, Cl. 343—765.
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Bowen, David G.: *See*—
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Brown, Robinson W. 3,403,739.
Burns, Albert L., Jr. 3,375,580.
Burns, Albert L., Jr., and Slator. 3,379,255.
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Bowen, Willard L., III, to The Torrington Co. Roller radial thrust bearing. 3,370,898, 2-27-68, Cl. 308—179.
Bowen, William A., Jr. Boresight axis discriminator. 3,367,607, 2-6-68, Cl. 244—3.16.
Bowen, William H., and H. E. Ferrill, to Dresser Industries, Inc. Safety valve having parallel flow bleed outlets. 3,401,718, 9-17-68, Cl. 137—470.
Bower, Arnold B., Jr., to General Electric Co. Drill bit. 3,415,332, 12-10-68, Cl. 175—410.
Bower, Clark D., C. E. Wykes, and H. C. Bonds, to Layne & Bowler Pump Co. Control system for self-propelled sprinkling apparatus. 3,394,729, 7-30-68, Cl. 137—344.
Bower, Clyde S. Parking meter with time rental voiding mechanism. 3,380,567, 4-30-68, Cl. 194—84.
Bower, Frank A., J. H. Fassnacht, and A. J. Knipper, to E. I. du Pont de Nemours and Co. Pressurized aerosol food emulsions. 3,366,494, 1-30-68, Cl. 99—189.
Bower, Frank A., Jr., to Panther Pumps & Equipment Co., Inc. Fluid power transfer apparatus. 3,402,667, 9-24-68, Cl. 103—44.
Bower, Joseph G., to United States Borax & Chemical Corp. Supersaturated borax solution stabilized with sodium dichromate and method of making same. 3,408,155, 10-29-68, Cl. 23—59.
Bower, Joseph G., to United States Borax & Chemical Corp. Process for producing stable supersaturated borax solutions. 3,408,156, 10-29-68, Cl. 23—59.
Bower, Lewis R., to A. G. Wild & Co. Ltd. Mine support with resilient release means. 3,408,820, 11-5-68, Cl. 61—45.
Bower, Richard R. Electric circuit. 3,374,305, 3-19-68, Cl. 174—68.5.
Bower, Richard R. Aligning and welding of parts. 3,404,248, 10-1-68, Cl. 200—166.
Bowerman, Hulie E., deceased (by Z. M. Bowerman, executrix), to Oil States Rubber Co. Swab cup. 3,417,673, 12-24-68, Cl. 92—241.
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Hall, Russell S., Patten, and Bowers. 3,398,538.

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Hedden, Walter A., Bowers, and King. 3,396,055.

Bowers, Donald R., to The Hoover Co. Delay switch for reversing electric motors. 3,398,250, 8–20–68, Cl. 200—187.

Bowers, Grover W., and F. H. Kennedy. Remote control for automobiles. 3,396,811, 8–13–68, Cl. 180—98.

Bowers, John O., Jr., to Dynatronics, Inc. Field effect transistor gating circuit. 3,414,737, 12–3–68, Cl. 307—243.

Bowers, Klaus D., and L. J. Varnerin, Jr., to Bell Telephone Laboratories, Inc. Plural channel optical memory using light beam transit time to discriminate among channels. 3,403,261, 9–24–68, Cl. 250—219.

Bowers, Melville D., and L. A. Wendel, to The Singer Co. Control devices for sewing units. 3,400,677, 9–10–68, Cl. 112—219.

Bowers, Raymond, and J. R. Houck, to United States of America, Atomic Energy Commission. Magneto-plasma wave device. 3,388,321, 6–11–68, Cl. 324—.5.

Bowers, Roy C., and R. E. Silberschlag, to Borg-Warner Corp. Two-way overrunning clutch mechanism. 3,380,563, 4–30–68, Cl. 192—44.

Bowers, Theron L., to International Telephone and Telegraph Corp. Switching network employing a homogeneous matrix. 3,400,220, 9–3–68, Cl. 179—18.

Bowers, Thomas S. Wiping, honing, and/or indexing device for clippers. 3,389,462, 6–25–68, Cl. 30—28.

Bowers, William E., to Schlumberger Technology Corp. Method and apparatus for forming armored cables. 3,371,474, 3–5–68, Cl. 57—15.

Bowes, Donald R., to Johnson & Johnson. Intravenous cannula assembly unit. 3,388,703, 6–18–68, Cl. 128—214.4.

Bowes, Francis J., to Non-Slip Temple Co., Inc. Hearing aid eyeglass frame. 3,382,327. 5–7–68, Cl. 179—107.

Bowes, Francis J., to Non-Slip Temple Co., Inc. Temple. 3,416,858, 12–17–68, Cl. 351—118.

Bowes, John G.: *See*—
Rosekrans, John N., Jr., and Bowes. 3,414,284.

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Stiepel, Erhard E., Page, and Bowie. 3,364,670.

Bowie, Robert I.: *See*—
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Bowker, John E., and R. M. Cashman, to Continental Oil Co. Vessel arresting apparatus. 3,380,424, 4–30–68, Cl. 114—235.

Bowkley, Herbert L., and R. B. Thurman, to Armour Agricultural Chemical Co. Preparation of phosphoric acid, phosphorus oxyfluoride, and related compounds. 3,402,019, 9–17–68, Cl. 23—165.

Bowler, Robert P., and J. P. Malone. Back up warning switch means for vehicles. 3,409,874, 11–5–68, Cl. 340—61.

Bowler, William: *See*—
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Vilagos, Joseph P., and Bowler. 3,381 832.

Bowles Engineering Corp.: *See*—
Bauer, Peter. 3,366,143.
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Dexter, Edwin M. 3,410,289.
Di Camillo, Carmine V. 3,405,892.
Jones, Donnie R. 3,390,674.
Jones, Donnie R. 3,390,691.
Manion, Francis M. 3,379,203.
Metzger, Eric E., and Hinshelwood. 3,380,827.
Sowers, Edwin U. 3 413,994.
Sowers, Edwin U., III, Colston, and Schrader. 3,410,521.

Bowles, Romald E. Fluid control systems for foils. Re. 26,434, 8–6–68, Cl. 114—66.5.

Bowles, Romald E., to United States of America, Army. Fluid stream motion transducer. 3,403,563, 10–1–68, Cl. 73—505.

Bowles, Romald E., to United States of America, Army. Fluid control device, series V, type 3. 3,410,143, 11–12–68, Cl. 74—5.6.

Bowles, Romald E. Maximum pressure selector. 3,411,520, 11–19–68, Cl. 137—81.5.

Bowles, Romald E. Visual readout device. 3,413,744, 12–3–68, Cl. 40—28.

Bowles, Romald E., and R. W. Warren. Fluid amplifier employing boundary layer effect. 3,396,619, 8–13–68, Cl. 83—639.

Bowles, Romald E., and B. M. Horton. Fluid amplifier. 3,413,995. 12–3–68, Cl. 137—81.5.

Bowles, Romald E., and B. M. Horton. Vortex rate sensor. 3,417,624. 12–24–68, Cl. 73—432.

Bowles, Samuel V. Interchangable refuse truck body with self-loading mechanism. 3,370,525, 2–27–68, Cl. 100—48.

Bowles, Vernon O., to Mobil Oil Corp. Catalytic cracking process. 3,406 112. 10–15–68, Cl. 208—153.

Bowles, Vernon O., to Mobil Oil Corp. Regenerating a cracking catalyst by hydrogen and oxygen treatment. 3,412,013, 11–19–68, Cl. 208—120.

Bowley, Thomas W., and L. H. Smith, to United-Carr Inc. Crimping tool. 3,377,836, 4–16–68, Cl. 72—452.

Bowling, Joseph E., Jr.: *See*—
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Bowling, Raymond E., O. D. Montgomery, and T. J. Roche, to International Business Machines Corp. Self-correcting clock for a data transmission system. 3,363,183. 1–9–68, Cl. 328—63.

Bowling, Raymond E., G. J. Laurer, and O. D. Montgomery, to International Business Machines Corp. Universal code synchronous tranamitter-receiver device. 3,400,375, 9–3–68, Cl. 340—172.5.

Bowman, Benjamin P. Method and apparatus for packing material into containers. 3,405,744, 10–15–68, Cl. 141—12.

Bowman, Bradshaw. Method of manufacturing bricks, tiles, cobblestones and the like directly on the ground to be covered. 3,406,618, 10–22–68, Cl. 94—24.

Bowman, Charles P.: *See*—
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Bowman, Donald C., to Sinclair Research, Inc. Scanning device with output indicating trace and axis coincidence. 3,405,277, 10–8–68, Cl. 250—219.

Bowman, Edward W. Rapid cooling system for glass annealing lehrs. 3,371,430, 3–5–68, Cl. 34—217.

Bowman, Francis, A. C. Cooper, and F. Irving, to Imperial Chemical Industries Ltd. Process for coloring synthetic linear polyesters. 3,372,138, 3–5–68, Cl. 260—40.

Bowman, Francis, A. C. Cooper, and F. Irving, to Imperial Chemical Industries Ltd. Mass coloration of polyester resins. 3,401,142, 9–10–68, Cl. 260—40.

Bowman, Francis, A. C. Cooper, F. Irving, A. Livingston, D. F. White, and D. G. Wilkinson, to Imperial Chemical Industries Ltd. Coloration process. 3,413,257, 11–26–68, Cl. 260—40.

Bowman, Francis A.: *See*—
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Bowman, Jan, to Kaiser Aluminum & Chemical Corp. Gunning nozzle shield. 3,363,839, 1–16–68, Cl. 239—103.

Bowman, John M., to E. I. du Pont de Nemours and Co. Polychloroprene-fluoroelastomer composite articles. 3,418,201. 12–24–68. Cl. 161—184.

Bowman, Mark M., Jr., to Phillips Petroleum Co. Transparent linear polymers. 3,382.220. 5–7–68, Cl. 260—88.2.

Bowman, Paul F., to Joseph L. Schlesinger, Inc. Stabilizing means for Schiffli embroidery machines. 3,372,659, 3–12–68, Cl. 112—91.

Bowman, Raymond H., to McDowell-Wellman Engineering Co. Compaction bucket. 3,367,523, 2–6–68, Cl. 214—147.

Bowman, Richard E.: *See*—
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Bowman, Richard G. Liquid delivery apparatus. 3,365,104, 1–23–68, Cl. 222—194.

Bowman, Richard G., to Cal-Win Corp. Rotary switch controlled alpha numerical display system. 3,366,945, 1–30–68, Cl. 340—324.

Bowman, Richard G. Child's hand-propelled vehicle. 3,381,975, 5–7–68, Cl. 280—240.

Bowman, Richard G. Device having elements displayable in different patterns. 3,410,011, 11–12–68, Cl. 40—68.

Bowman, Richard V. Container for sheets of carbon and typewriting paper. 3,369,730, 2–20–68, Cl. 229—44.

Bowman, Robert J., and D. F. Wesolowski, to Square D Co. Tamper-proof key-operated electric control station. 3,372,251, 3–5–68, Cl. 200—44.

Bowman, Robert L.: *See*—
Kolobow, Theodor, and Bowman. 3,376,863.

Bowman, Roger-Edgar: *See*—
Pillersdorf, Arthur, Kuhn, and Bowman. 3,398,007.

Bowman, Russel A.: *See*—
Zimberg, Walter M., and Bowman. 3,367,905.

Bowman, Russell A., and B. N. Wilson, to Hooker Chemical Corp. Polyurethane composition and process. 3,407,153, 10–22–68. Cl. 260—2.5.

Bowman, Scisco. Fish stringers. 3,387,753, 6–11–68 Cl. 224—7.

Bowmar Instrument Corp.: *See*—
Naylor, Arthur F. 3,371,333.
Ordas, Arthur F. 3,416,015.

Bowmer, Reginald M.: *See*—
Fineman, Harold. Lawson, and Bowmer. 3,385,168.

Bown, Delos E., D. E. Nicholson, and R. I. McDougall, to Esso Research and Engineering Co. Polyolefins stabilized with a nickel complex of a benzophenone. 3,361,709, 1–2–68, Cl. 260—45.75.

Bowness, Colin, to Raytheon Co. Mirror supporting structure for lasers. 3,404,352, 10–1–68, Cl. 331—94.5.

Bowness, Colin, to Raytheon Co. Single mode laser. 3,409,843, 11–5–68, Cl. 331—94.5.

Bowser, Donald G., to United States Steel Corp. Flow control device for hoppers. 3,415,423, 12–10–68, Cl. 222—244.

Bowser, Inc.: *See*—
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Topol, George J., and Hinkle. 3,412,706.
Topol, George J., and Vattay. 3,406,827.

Bowser, Richard B.: *See*—
Heinicke, Kurt J., Bowser, and Shafer. 3,408,951.

Bowser, Robert E.: *See*—
Best, Howard S., and Bowser. 3,375,834.
Best, Howard S., and Bowser. 3,403,438.

Bowser, Robert S., and T. J. Sentementes, to Sylvania Electric Products Inc. Process for the manufacture of electroluminescent lamps. 3,376,177, 4–2–68, Cl. 156—67.

Bowsher, Edward A. H., and K. G. Perkins, to Plessey-U K Ltd. Pulse signal demodulator with judgement level producing and comparison means. 3,372,234, 3-5-68, Cl. 178—88.

Bowyer, Charles S., to United Sttaes of America, Navy. Proportional counter tube including a plurality of anode-cathode units. 3,383,538, 5-14-68, Cl. 313—93.

Bowyer, Charles S., to United States of America, Navy. Proportional counter tube having a plurality of interconnected ionization chambers. 3,396,300, 8-6-68, Cl. 313—93.

Box, Theodor. Stackable plastic container. 3,361,293, 1-2-68, Cl. 220—97.

Box, Theodor M. Beverage bottle case. 3,391,814, 7-9-68, Cl. 220—21.

Box, Theodor. Bottle case. 3,391,815, 7-9-68, Cl. 220—21.

Box, Theodor. Plastic poultry crate and the like. 3,407,961, 10-29-68, Cl. 220—97.

Box, Willard D., to United States of America, Atomic Energy Commission. Electrolyte for the electrodeposition of technetium. 3,374,157, 3-19-68, Cl. 204—45.

Boxall, Clarence W.: *See*—
Brown, George W., and Boxall. 3,415,105.

Boxall, Frank S., to Vicom Corp. Repeater for pulse code modulated signals. 3,384,711, 5-21-68, Cl. 178—70.

Boyanich, Milan, Sr. Hand truck with push plate. 3,419,281, 12-31-68, Cl. 280—47.29.

Boyars, Carl, and C. F. Sharn, to United States of America, Navy. Fast startup device for torpedo power plant. 3,379,178, 4-23-68, Cl. 122—247.

Boyaval, Robert: *See*—
Nuissl, Carl W. 3,378,211.

Boyce, Albert. Control valve. 3,390,919, 7-2-68, Cl. 303—31.

Boyce, Donald A.: *See*—
Jeromson, James R., Jr., and Boyce. 3,373,632.

Boyce, Harold D.: *See*—
Soderquist, Frederick J., Boyce, and Duris. 3,374,282.
Soderquist, Frederick J., Boyce, and Putman. 3,404,191.

Boyce, John, and S. H. Creed, to FMC Corp. Article orienting apparatus. 3,403,770, 10-1-68, Cl. 198—33.

Boyce, Reginald D. Guards for safety razors. 3,384,961, 5-28-68, Cl. 30—90.

Boyd, Branin A.: *See*—
Zandman, Felix, and Boyd. 3,405,381.

Boyd, Charles A.: *See*—
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Kartluke, Herbert, and Boyd. 3,381,525.

Boyd, Charles A., to Aeroprojects Inc. Airdrop capsule. 3,365,209—74.

Boyd, Charles H., and W. W. Hall, to Western Electric Co., Inc. Component sorting apparatus. 3,366,235, 1-30-68, Cl. 151, 1-23-68, Cl. 244—138.

Boyd, Clarence. Floor scrubbing machine. 3,376,597, 4-9-68, Cl. 15—320.

Boyd, Clinton A., to Borg-Warner Corp. Rubber bearing for multistage pump. 3,402,670, 9-24-68, Cl. 103—102.

Boyd, David M., to Universal Oil Products Co. Fractionator system with side stream product removal and internal reflux control. 3,405,035, 10-8-68, Cl. 202—160.

Boyd, David M., to Universal Oil Products Co. Fractionator system with side-cut streams and internal reflux control. 3,405,036, 10-8-68, Cl. 202—160.

Boyd, Gary D.: *See*—
Ashkin, Arthur, Boyd, and Kleinman. 3,387,204.

Boyd, Gary D., to Bell Telephone Laboratories, Inc. Optical parametric device employing a whisper mode. 3,364,432, 1-16-68, Cl. 330—4.6.

Boyd, Gordon A., to Vickers-Armstrongs (Engineers) Ltd. Rotary fluid valve. 3,363,651, 1-16-68, Cl. 137—625.23.

Boyd, Harold C. T., and R. A. Evans. Hand truck for material handling. 3,395,817, 8-6-68, Cl. 214—370.

Boyd, James R., A. H. Mones, and J. C. Schottmiller, to International Business Machines Corp. Electrical device, method and material. 3,372,058, 3-5-68, Cl. 117—227.

Boyd, James W.: *See*—
Bessett, Clifford H., and Boyd. 3,416,695.

Boyd, John H.: *See*—
Symons, Robert C., and Boyd. 3,385,389.

Boyd, John M.: *See*—
Nodwell, William B., and Boyd. 3,419,097.

Boyd, Joseph J., to Atlantic Steel Co. Strip conveyance. 3,393,590. 7-23-68. Cl. 83—26.

Boyd, Keith A., to Eaton Yale & Towne, Inc. Control linkage. 3,401,569, 9-17-68, Cl. 74—96.

Boyd, Keith A., to Eaton Yale & Towne, Inc. Positioning of control ring. 3,408,948, 11-5-68, Cl. 103—161.

Boyd, Richard W., and R. K. Welch, to General Motors Corp. Spill proof coupling and filter unit. 3,388,801, 6-18-68, Cl. 210—234.

Boyd, Roscoe H., Jr.: *See*—
Warren, Sammie L., and Boyd. 3,411,476.

Boyd, Samuel: *See*—
Homer, Horace H., Lynn, and Boyd. 3,361,893.

Boyd, Thomas R., to Tridair Industries. Self-locking captive screw assembly. 3,368,602, 2-13-68, Cl. 151—13.

Boyd, William D. M. Jump-proof choker hook. 3,409,950, 11-12-68, Cl. 24—123.

Boyd, William R., and R. C. Franklin, to Beckman Instruments, Inc. Derivative circuit. 3,412,263, 11-19-68, Cl. 307—229.

Boyden, James H.: *See*—
Grayson, Lawrence P., and Boyden. 3,397,362.

Boyden, James H., and M. Laikin, to Korad Corp. Optical prism for use in beam divergence reducing apparatus. 3,397,024, 8-13-68, Cl. 350—199.

Boye, Frederick C.: *See*—
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Boye, Ingar, to Aktiebolaget Svenska Flaktfabriken. Drying apparatus. 3,377,056, 4-9-68, Cl. 263—3.

Boyen, John L.: *See*—
Edgemond, John W., Jr., and Boyen. 3,367,111.
Edgemond, John W., Jr., and Boyen. 3,392,777.

Boyen, John L., to Vapor Corp. Total energy conservation system. 3,372,677, 3-12-68, Cl. 122—7.

Boyen, John L., to Besler Corp. Gas flow modulator valve. 3,373,771, 3-19-68, Cl. 137—625.46.

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Carr, Donald R., and Braccini. 3,377,595.
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Brader, Carl H., and A. E. Tanasse, to Redi-Fire Heating, Inc. System for heating large volumes of air. 3,409,000, 11–5–68, Cl. 126—59.5.

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Brader, Walter H., Jr., to Jefferson Chemical Co., Inc. Purification of p-dioxenes by azeotropic distillation with water. 3,399,215, 8–27–68, Cl. 260—340.6.

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Brady, David R., to Sheller-Globe Corp. Preparation of polyvinyl chloride plastisols and products. 3,401,138, 9–10–68, Cl. 260—31.8.

Brady, George W., Jr., and J. P. Henry, to Union Carbide Corp. Halogenation of organic compounds in halogenated acetonitrile solvents. 3,405,111, 10–8–68, Cl. 260—92.8.

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Brady, William J., and G. K. Iverson, to United States of America, Atomic Energy Commission. Identification badge dosimeter. 3,393,318, 7–16–68, Cl. 250—83.
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Bragg, John K., to General Electric Co. Word-organized associative cryotron memory. 3,402,399, 9–17–68, Cl. 340—173.1.
Bragg, Wallace J., and D. G. Grenley, to The Dow Chemical Co. Process for the improvement of bond strengths between brick or metallic surfaces and cementitious materials. 3,411,943, 11–19–68, Cl. 117—70.
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Braibanti, Mario and G. Device for automatically keeping constant the hardness of mix, particularly for alimentary pastes. 3,383,096, 5–14–68, Cl. 259—25.
Braid, Milton, and D. A. Law, to Mobil Oil Corp. Stabilized organic compositions. 3.378,491, 4–16–68, Cl. 252—47.5.
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Brainard, Ralph C., and E. F. Brown, to Bell Telephone Laboratories Inc. Television scanning control apparatus to compensate for varaitions in the vertical scanning rate by varying the blanking interval. 3,405,311, 10–8–68, Cl. 315—19.
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Braithwaite, David G., to Nalco Chemical Co. Electrolytic process for the preparation of mixed organic lead compounds and electrolyte therefor. 3,391,067, 7–2–68, Cl. 204—59.
Braithwaite, David G., to Nalco Chemical Co. Organic halide recovery. 3,409,518, 11–5–68, Cl. 204—59.
Braithwaite, David G., and L. L. Bott, to Nalco Chemical Co. Electrolytic preparation and recovery of tetraalkyl lead compounds. 3,380,899, 4–30–68, Cl. 204—59.
Braithwaite, David G., L. L. Bott, and K. G. Phillips, to Nalco Chemical Co. Electrolytic preparation of organic lead compounds and electrolyte therefor. 3,380,900, 4–30–68, Cl. 204—59.
Braithwaite, David G., L. L. Bott, P. L. Gross, J. E. Laubach, W. L. Altman, and W. Hanzel, to Nalco Chemical Co. Organic lead recovery from electrolytes by steam and azeotropic distillation. 3,408,273, 10–29–68, Cl. 204—59.
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Brand, Abraham, to Consolidated Electrodynamic Corp. Bi-directional tape transport. 3,385,492, 5–28–68, Cl. 226—39.
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Brand, John R., to Warwick Electronics Inc. Organ circuit. 3,415,941, 12–10–68, Cl. 84—1.26.
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Brandemihl, Chester J., deceased (J. K. Brandemihl, administrator), and C. A. Primmer, to C. A. Primmer. Combined floating trailer and refrigeration device for fish. 3,367,061, 2–6–68, Cl. 43—55.
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Brandenberg, Karl A., to The Aro Corp. Memory valve for fluid logic circuits. 3,385,323, 5–28–68, Cl. 137—625.66.
Brandenberg, Karl A., to Aro Corp. NOT valve for fluid logic circuits. 3,389,720, 6–25–68, Cl. 137—625.66.
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Brandenberg, Karl A., to The Aro Corp. Fluid logic circuit mechanism. 3,407,833, 10–29–68, Cl. 137—271.
Brandenberg, Karl A. Fluid logic circuit mechanism. 3,407,-834, 10–29–68, Cl. 137—271.
Brandenberg, Karl A., to The Aro Corp. Circuit board and control module for fluid logic circuit mechanism. 3,407,-846, 10–29–68, Cl. 137—608.
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Brandenburg, John T., and R. J. Leak, to Texaco Inc. Method of treating exhaust gases of internal combustion engine and catalyst therefor. 3,410,651, 11–12–68, Cl. 23—2.
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Brander, George T., to Owens-Illinois, Inc. Container construction. 3,406,819, 10–22–68, Cl. 206—65.
Brandestini, Antonio. Anchorage for dynamically stressed steel wire and improved method for cold-upsetting an anchor employed in conjunction with the aforesaid anchorage. 3,384,395, 5–21–68, Cl. 287—20.3.
Brandmaier, Harold E., to Curtiss-Wright Corp. Rankine cycle electrogasdynamic generator. 3,405,291, 10–8–68, Cl. 310—10.
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Brandt, Adolf W., to The Whitney Blake Co. Communication wire extrusion apparatus. 3,383,736, 5–21–68, Cl. 18—13.
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Brandt, Harold A., ⅓ to Roland L. Willett, and ⅓ to James A. Tindal. Vehicle wheel hub bearing oil bath adaptor. 3,393,950, 8–6–68, Cl. 308—36.2.
Brandt, Harry, to Chevron Research Co. Method and apparatus for injecting fluids into earth formations penetrated by a well. 3,362,477, 1–9–68, Cl. 166—42.
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Brandt, Herbert. Axial flow regenerative heat exchangers. 3,369,593, 2–20–68, Cl. 165—10.
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Brannock, Kent C., to Eastman Kodak Co. Tertiaryamino-cyclobutanes with electronegative substituents. 3,369,024, 2–13–68, Cl. 260—294.3.
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Branson, Charles D., to Robertshaw Controls Co. Burner construction and method and apparatus for making the same and the like. 3,386,431, 6–4–68, Cl. 126—39.
Branson, Charles D., to Robertshaw Controls Co. Burner construction and the like. 3,399,024, 8–27–68, Cl. 431—286.
Branson, Charles D., J. R. Willson, and A. H. Malcom, to Robertshaw Controls Co. Pilot and burner valve construction and method for an oven and the like. 3,367,572, 2–6–68, Cl. 236—68.
Branson, David T., to Northwest Engineering Corp. Dipper. 3,402,486, 9–24–68, Cl. 37—118.
Branson, Henry E., to Stromberg Hydraulic Brake and Coupling Co. Auxiliary control for dual automotive brake systems. 3,370,427, 2–27–68, Cl. 60—54.5.
Branson, Henry E., to Stromberg Hydraulic Brake & Coupling Co. Hydraulic brake system for tractor trailer combination. 3,370,892, 2–27–68, Cl. 303—7.
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Brantley, Francis E., and C. Rampacek, to United States of America, Interior. Process for manganese recovery from leach solutions. 3,397,130, 8–13–68, Cl. 204—105.
Brantner, Andreas, to Robert Bosch G.m.b.H. Method of calibrating vacuum advance mechanisms for ignition distributors. 3,396,449, 8–13–68, Cl. 29—173.
Brany, Jaroslav, to Vyzkumny ustav strojirenske technologie a ekonomiky. Arrangement for the control of the movement of balls. 3,398,592, 8–27–68, Cl. 74—198.
Brasch, Jay, to Esso Research and Engineering Co. One step preparation of metal organo dithiophosphates. 3,396,183, 8–6–68, Cl. 260—429.
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Asper, Jean-Jacques. 3,392,835.
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Braslau, Norman, and W. A. Hardy, to International Business Machines Corp. Optical positioning device in combination with multiple reflecting plural spherical mirrors. 3,376,-424, 4–2–68, Cl. 250—216.
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Brass, Robert L., and A. Feiner. Operator-controlled rotatable spaceship model game. 3,398,950, 8–27–68, Cl. 273—1.
Brass, Robert L., J. B. Connell, and J. A. Harr, to Bell Telephone Laboratories, Inc. Data processing system. 3,408,-628, 10–29–68, Cl. 340—172.5.
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Brater, Irwin, and D. J. Mechan. Portable dishwashing machines. 3,385,306, 5-28-68, Cl. 134—93.

Brath, Peter W., R. A. Sarbach, and R. D. Smith, to Westinghouse Air Brake Co. Electrically controlled brake system for railway cars. 3,398,815, 8-27-68, Cl. 188—195.

Bratkowski, Walter V., R. J. Radus, and E. Frisch, to Westinghouse Electric Corp. Circuit breaker with improved magnetic trip means. 3,391,358, 7-2-68, Cl. 335—21.

Bratsberg, Glenn N. Airstream deflector for vehicles. 3,419,897, 12-31-68, Cl. 296—91.

Bratsch, James D. Strain-relieved electrical lead connector system for wire-wrap electronic module. 3,365,539, 1-23-68, Cl. 174—88.

Bratschi, Konrad. Electrically driven displacing mechanism. 3,372,599, 3-12-68, Cl. 74—89.2.

Bratt, Alton S. G., to S. Andersson. Anchors for the parapets of balconies. 3,418,782, 12-31-68, Cl. 52—707.

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Bratton, Francis H., and H. I. Reynolds, to G. T. Schjeldahl Co. Hydrogen generating system. 3,419,361, 12-31-68, Cl. 23—281.

Brau, Maurice J., to Texas Instruments Inc. Ge-S-Te glass compositions and infrared detection system. 3,371,211, 2-27-68, Cl. 250—83.

Brau, Maurice J., and H. E. Jarman, to Texas Instruments Inc. Inorganic glass composition. 3,371,210, 2-27-68, Cl. 250—83.

Braucksiek, Henry C.: *See*—
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Brauer, Frank M., to Avco Corp. Adaptive gain control and digitally controlled frequency synthesizer. 3,395,361, 7-30-68, Cl. 331—14.

Brauer, Joseph B. Method of fabricating a radar reflector. 3,365,790, 1-30-68, Cl. 29—527.

Brauer, Lothar W. Indicator for nitrogen dioxide. 3,388,075, 6-11-68, Cl. 252—408.

Brauer, Lothar W., to Auergesellschaft G.m.b.H. Sulfur dioxide absorbent. 3,396,122, 8-6-68, Cl. 252—428.

Brauer, Philipp, to Brown, Boveri & Cie A.G. High-temperature fuel element apparatus. 3,397,028, 8-13-68, Cl. 431—115.

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Bream, John B., C. W. Picard, and T. G. White, to Dr. A. Wander, S.A. β-(2,6-dihalophenyl) ethylamino guanidines and the salts thereof. 3,383,409, 5–14–68, Cl. 260—501.14.

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Provi, Mike A., and Guinter. 3,414,910.

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Bright, David B., W. V. Turner, Jr., and E. R. White, to Shell Oil Co. Production of trimethylphenols. 3,385,902, 5–28–68. Cl. 260—621.

Bright, David B., W. V. Turner, Jr., and E. R. White, to Shell Oil Co. Production of trimethylphenols. 3,385,903, 5–28–68, Cl. 260—621.

Bright, James A., and J. J. O'Connell, to General Motors Corp. Method and apparatus for maintaining high humidity in a frost-free domestic refrigerator. 3,375,677, 4–2–68, Cl. 62—89.

Bright, James A., and J. J. O'Connell, to General Motors Corp. Condensation control system for humidified refrigerator. 3,403,534, 10–1–68, Cl. 62—419.

Bright Mfg. Co. Ltd.: *See*—
Bright, Robert G. 3,394,044.

Bright, Robert G., to Bright Mfg. Co. Ltd. Sealing strip for U-shaped channel. 3,394,044, 7–23–68, Cl. 161—117.

Bright, Sylvester R., Jr. Mortar joint painter. 3,363,279, 1–16–68, Cl. 15—541.

Bright, Thomas F., to Bergen Laboratories, Inc. Electrical accordion-organ. 3,402,251, 9–17–68, Cl. 84—1.13

Brightman, Barrie, and D. S. J. Smith, to General Dynamics Corp. Time division multiplex telegraph message switching center employing time slot multiplication. 3,379,836, 4–23–68, Cl. 178—50.

Brighton, John C., and G. E. Scheitlin, to Arvin Industries, Inc. Remote controlled mirror. 3,369,427, 2–20–68, Cl. 74—501.

Brigman Associates, Inc.: *See*—
Brigman, Maurice C. 3,370,397.

Brigman, Maurice C., to Brigman Associates, Inc. Head lettuce packaging machine. 3,370,397, 2–27–68, Cl. 53—180.

Brignac, Edmond P., to Monsanto Co. Dimensionally stabilized polyamide yarns and rubber products reinforced therewith. 3,388,029, 6–11–68, Cl. 161—170.

Brignac, Edmond P., and R. T. Wright, to Monsanto Co. Process for preparing a polyamide. 3,402,152, 9–17–68, Cl. 260—78.

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Wanmaker, Willem L., and Bril. 3,415,757.
Wanmaker, Willem L., Bril, and Verlijsdonk. 3,403,279.

Brilando, Frank P.: *See*—
Fritz, Albert J., and Brilando. 3,408,090.
Nielsen, Jorgen L., Brilando, and Blaho. 3,383,941.

Brilando, Frank P., to Schwinn Bicycle Co. Bicycle training attachment. 3,401,954, 9–17–68, Cl. 280—293.

Brilando, Frank P., and S. R. Jameson, to Schwinn Bicycle Co. Bicycle stick shift mechanism. 3,383,940, 5–21–68, Cl. 74—501.

Brilando, Frank P., and R. G. Blaho, to Schwinn Bicycle Co. Bicycle gear shift mechanism. 3,406,587, 10–22–68, Cl. 74—475.

Briles, Franklin S.: *See*—
Howard Jo Ann S. 3,394,233.

Briles, Franklin S. Method of making a prestressed riveted connection. 3,391,449, 7–9–68, Cl. 29—522.

Briley, Bruce E., to Automatic Electric Laboratories, Inc. PAM and PWM dual modulation arrangement for doubling channel capacity. 3,366,882, 1–30–68, Cl. 325—38.

Briley, Bruce E., to Automatic Electric Laboratories, Inc. Multiaperture magnetic disc computer control members. 3,387,279, 6–4–68, Cl. 340—172.5.

Briley, Bruce E., to Automatic Electric Laboratories, Inc. Recirculating delay line memory. 3,400,381, 9–3–68, Cl. 340—173.

Briley, Bruce E., to Automatic Electric Laboratories, Inc. Magnetic memory systems employing myriaperture devices. 3,413,619, 11–26–68, Cl. 340—174.

Brilhart, Arnold R. Method for forming musical instrument bodies. 3,393,263, 7–16–68, Cl. 264—225.

Brill, Arvel A. Flavored cigarette. 3,413,978, 12–3–68, Cl. 131—4.

Brill, David D. Electrically lighted implement holder. 3,370,163, 2–20–68, Cl. 240—6.46.

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Brill, Edward F., and H. E. Shelley, to Westinghouse Air Brake Co. Boring type continuous mining machine with contour cutters. 3,407,006, 10–22–68, Cl. 299—59.

Brill, Frank D.: *See*—
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Schwertfeger, Owen J., and Brill. 3,413,907.

Brill, Klaus, to Robert Bosch G.m.b.H. Electrolytic capacitor comprising film-forming metal sheet carrying a dielectric oxide film and a metal dioxide electrolyte layer. 3,375,413, 3–26–68, Cl. 317—230.

Brill, William, to CF & I Steel Corp. Oxygen converter apparatus. 3,403,898, 10–1–68, Cl. 266—36.

Brill-Edwards, Harry W., to Chromalloy American Corp. Method for heat treating titanium carbide tool steel. 3,416,976, 12–17–68, Cl. 148—12.4.

Brimer, Marshall R., and C. L. Gibson, to Eastman Kodak Co. Selective oxidation of leucoanthraquinones comprising a dihydroxyphenyl substituent. 3,405,145, 10–8–68, Cl. 260—380.

Brinckman, Frederick E., Jr.: *See*—
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Brinckman, Frederick E., Jr., H. S. Haiss, and R. A. Robb, to United States of America, Navy. Triazenometal compounds and method of preparation. 3,386,985, 6–4–68, Cl. 260—140.

Brindamour, Normand E., to Merck & Co., Inc. Spray coating of pharmaceutical cores with a carboxyvinyl polymer and polyethylene glycol. 3,379,554, 4–23–68, Cl. 117—33.

Brindamour, Normand E., to Merck & Co., Inc. Continuous pharmaceutical film coating process. 3,383,236, 5–14–68, Cl. 117—100.

Brindamour, Normand E., to Merck & Co., Inc. Medicinal pellets coated with overlapping porous fatty acid leaflet layers. 3,383,283, 5–14–68, Cl. 167—83.

Brindell, Gordon D., to Uniroyal, Inc. Olefin polymer composition. 3,412,064, 11–19–68, Cl. 260—45.85.

Brindley, Claude S. Heat exchanger for air conditioner. 3,371,504, 3–5–68, Cl. 62—324.

Brindley, Richard B., to La Crosse Cooler Co. Auger type ice making machine. 3,403,526, 10–1–68, Cl. 62—188.

Briney, William E., to Owens-Illinois Glass Co. Apparatus for forming single faced corrugated boards. 3,366,527, 1–30–68, Cl. 156—473.

Bringer, Heinz, to Etat Francais, represented by the Minister of Armed Forces, Ministerial Delegation for Armament, Direction of Researches and Manufacture of Armament, Laboratory of Ballistic and Aerodynamic Researches. Liquid injection device. 3,402,552, 9–24–68, Cl. 60—39.74.

Bringewald, August R., to Bringewald Process Corp. Process and apparatus for producing metal plates with integral stiffeners. 3,415,095, 12–10–68, Cl. 72—192.

Bringewald Process Corp.: *See*—
Bringewald, August R. 3,415,095.

Brinitzer, Werner H. Television lamp. 3,383,502, 5–14–68, Cl. 240—2.

Brink, Lloyd A., to Tru-Step, Inc. Treadle controlled ball-tossing device. 3,368,541, 2–13–68, Cl. 124—7.

Brink, Lloyd A., to Tru-Step, Inc. Ball-tossing device. 3,394,691, 7–30–68, Cl. 124—7.

Brink, Norman, H. Holland, R. G. Simoneau, D. Stevens, and S. Yurenka, to Whittaker Corp. Insulation material. 3,381,420, 5–7–68 Cl. 52—2.

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Brinkama, Nikolaus H., and R. W. Shull; said Shull assor. to Owens-Illinois Inc. Unitary collapsible partition. 3,383,027, 5–14–68, Cl. 229—15.

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Brinkman, Georges F., and A. Games, to Cona, Ltd. Coffee makers. 3,372 634, 3–12–68. Cl. 99—292.

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Brinkman, John D., to General Precision, Inc. Phase converter utilizing amplifiers and feedback means. 3,386,029, 5–28–68, Cl. 321—54.

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Brinovec, Judith S. Method of fabricating a nether garment waistband. 3,384,905, 5–28–68, Cl. 2—220.

Brinson, Paul R., to International Business Machines Corp. Card stacker. 3,386,731, 6–4–68, Cl. 271—71.

Brinton, Caleb J., to Eaton Yale & Towne Inc. Lift truck mast assembly. 3,394,778, 7–30–68, Cl. 187—9.

Brisbane, Alan D., to International Standard Electric Corp. Position control device. 3,377,489, 4–9–68, Cl. 310—8.3.

Briscoe, James A., to The B. F. Goodrich Co. Pressure sealing zipper. 3,409,953, 11–12–68, Cl. 24—205.1.

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Brisebois, Romeo. Detachable connection of a vehicle body to a chassis. 3,374,030, 3–19–68, Cl. 296—35.

Brishka, Alexander R. Hermetically sealed connectors. 3,398,391, 8–20–68, Cl. 339—94.

Brisken, Kurt, and G. Franzen, to Palitex Project-Co. G.m.b.H. Twisting and spinning spindle with spindle brake. 3,410,073, 11–12–68, Cl. 57—89.
Briskey, Clarence. Continuous method for applying plastic material to a preformed core. 3,382,124, 5–7–68, Cl. 156—202.
Briskman, Arthur, C. Weidauer, and T. N. Saaty; said Weidauer and said Saaty assors. to A. Briskman. Power operated tool. 3,408,875, 11–5–68, Cl. 74—48.
Brisman, Irving E. Vacuum cleaner. 3,364,513, 1–23–68, Cl. 15—325.
Brison, Robert J., and J. H. Litchfield, to John I. Haas, Inc. Separation of lupulin from hops. 3,390,000, 6–25–68, Cl. 99—50.
Brister, William C. Guy wire anchorage device for attachment to a sloping shingle roof. 3,408,780, 11–5–68, Cl. 52—58.
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Harris, Leighton R., and Davey. 3,391,511.
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Sherr, Allan E., and Bristol. 3,391,224.
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Coletta, Vincent. 3,401,216.
Crenshaw, Ronnie R. 3,394,125.
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Minor, William F. 3,381,013.
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Montzka, Thomas A. 3,389,141.
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Muchowski, Joseph M. 3,384,640.
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Siegal, Bernard, Gary, and Shin. 3,407,254.
Weinberg, Norman L. 3,389,142.
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Heybyrne, Ernest W., and Powell. 3,363,416.
Mansell, Stanley W., and Marchant. 3,395,955.
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Norton, James L. 3,396,942.
Richardson, Leslie F. 3,362,470.
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Sharp, James W., and Hardy. 3,379,009.
Bristow, Robert H., to General Electric Co. Titanium activated nickel seal and method of forming it. 3,395,993, 8–6–68, Cl. 29—195.
Britain, J. W., to Mobay Chemical Co. Stabilized polyesterurethanes. 3,401,144, 9–10–68, Cl. 260—45.8.
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Burleigh, David W. 3,396,437.
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Burn, Derek, Lester, and Petrow. 3,375,167.
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Allen, Frederick C. 3,363,295.
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Brittan, Kenneth W., to Triflex Safety Glass Co. Ltd. Laminated transparent panels incorporating heating wires. 3,378,919, 4–23–68, Cl. 29—611.

Brittan, Kenneth W., and D. Hampson. Electrically heated window glazings. 3,366,777, 1–30–68, Cl. 219—522.

Britton, Peter N., to Johnson & Johnson. Overlay sheet and process for making the same. 3,365,354, 1–23–68, Cl. 161—150.

Britton, Ralph H., Jr., to Alfred Electronics. Wide dynamic range square-law detector with logarithmic read-out. 3,408,-582, 10–29–68, Cl. 329—192.

Britton, Samuel B., to Union Carbide Corp. Stabilization of alkylidenebicycloheptenes. 3,409,683, 11–5–68, Cl. 260—666.5.

Britts, Frank J., 50% to J. B. Hazelrig. Hand tool. 3,415,-100. 12–10–68, Cl. 72—317.

Britz, Ernesto. Devices for securing hoops. 3,416,578, 12–17–68, Cl. 140—93.2.

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Brixner, Lothar H., to E. I. du Pont de Nemours and Co. Composition, process and article. 3,375,464, 3–26–68, Cl. 331—94.5.

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Brixner, Lothar H., to E. I. du Pont de Nemours and Co. Rare earth silicate phosphor composition. 3,400,081, 9–3–68, Cl. 252—301.4.

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Brizon, Jean M. A. Apparatus usable in particular for preparing paint and printing ink. 3,405,874, 10–15–68, Cl. 241—174.

Brkich, Alexander, to Ingersoll-Rand Co. Liquid resistant housing vent. 3,382,018, 5–7–68, Cl. 308—245.

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Broadhead, Ronald L., and W. R. Dunlop. Two-step steam-heat treated lignocellulose product and process. 3,405,053, 10–8–68, Cl. 260—17.2.

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Broadway Research and Development Corp. : *See*—
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Broadwin, Samuel M., to Maryland Plastics Inc. Test tube rack. 3,379,315, 4–23–68, Cl. 211—72.

Broberg, Leonard E., to A. O. Smith Harvestore Products, Inc. Unloading mechanism for a storage structure. 3,417,-880, 12–24–68, Cl. 214—17.

Brocades-Stheeman & Pharmacia : *See*—
Harms, August F. 3,407,258.

Brochetti, Raymond E. Tube puller. 3,369,287, 2–20–68, Cl. 29—252.

Brochman, Wilfred R. : *See*—
Abere, Joseph F., and Brochman. 3,389,827.

Brock, Eugene W., to General Motors Corp. Automatic headlight dimming system with time delay in switching from high to low beam. 3,383,552, 5–14–68, Cl. 315—83.

Brock, Eugene W., to General Motors Corp. Vehicle sequential signaling system. 3,398,399, 8–20–68, Cl. 340—82.

Brock, Eugene W., M. L. Woodward, and C. W. Miller, to General Motors Corp. Solid state crystal automatic headlight-dimming system. 3,381,169, 4–30–68, Cl. 315—83.

Brock, Frank H. : *See*—
Bookwalter, George N., and Brock. 3,407,071.

Brock, Frank J., to National Research Corp. Ultrahigh vacuum measuring ionization gauge. 3,394,286, 7–23–68, Cl. 315—111.

Brock, Frank J., and F. Feakes, to National Research Corp. Gauge calibration by diffusion. 3,395,565, 8–6–68, Cl. 73—4.

Brock, James D., to The Singer Co. Dryers for carpets and the like. 3,362,087, 1–9–68, Cl. 34—158.

Brock, James D., to Industrial Boiler Co., Inc. Crop drying method. 3,402,476, 9–24–68, Cl. 34—28.

Brock, John D., to Brock Machine Co., Inc. Apparatus for tightening knots in a fringe material. 3,402,445, 9–24–68, Cl. 28—1

Brock, John D. Rug fringe forming sewing machine. 3,410,-236, 11–12–68, Cl. 112—64.

Brock, John D., 50% to Richard A. Burnette. Apparatus for sensing and cutting along the edge of a thickened portion of a traveling web. 3,417,645, 12–24–68, Cl. 83—368.

Brock Machine Co., Inc. : *See*—
Brock, John D. 3,402,445.

Brock, Paul, and P. J. Foy, to Hughes Aircraft Co. Programmed cigital to analog function generator for a motor controlled X-Y plotter. 3,386,020, 5–28–68, Cl. 318—162.

Brock, Rex D., and C. N. Jones, to Acme Paving Co., Inc. Pavement forming apparatus. 3,363,523, 1–16–68, Cl. 94—46.

Brock, Roscoe V. : *See*—
Fritsche, Richard K., Moustafa, Brock, and Strub 3,404,963.

Brock, William H. J., and W. G. Turriff, to George E. Taylor & Co. Ltd. Hair curlers. 3,415,254, 12–10–68, Cl. 132—33.

Brock, Winford G. : *See*—
Nix, Joseph E., and Brock. 3,389,025.

Brockardt, Frank G., and J. H. Koch, to West Virginia Pulp and Paper Co. Article feeding apparatus and method. 3,399,886, 9–3–68, Cl. 271—14.

Brockel, Gerhard, to Sulzer Bros. Ltd. Spinning frames. 3,377,790, 4–16–68, Cl. 57—58.59.

Brockel, Gerhard R., R. J. Hug, and K. Rutschi, to Sulzer Brothers Ltd. Method and apparatus for recording weaving data. 3,417,916, 12–24–68, Cl. 234—1.

Brockett, Bruce W. : *See*—
Sandberg, Robert W., Brockett, and Clark. 3,384,536.

Brockett, Peter C., to Laboratory for Electronics, Inc. Traffic volume or speed computer with Zener diode in feedback circuit. 3,389,244, 6–18–68, Cl. 235—150.24.

Brockett, Peter C., to Laboratory for Electronics, Inc. Traffic actuated control system. 3,416,130, 12–10–68, Cl. 340—37.

Brockhaus, Gerhard, G. Leonhardt, and H. Weber, to Calor-Emag Elektrizitats-Aktiengesellschaft. Electrical coupling in which making and breaking of conductors is within casing filled with an insulating medium. 3,374,331, 3–19–68, Cl. 200—144.

Brockhouse Engineering Ltd. : *See*—
Gatiss, Albert L. 3,382,735.

Brockie, Thomas H., to American Standard, Inc. Purge unit for refrigeration machine. 3,410,106, 11–12–68, Cl. 62—195.

Brocklebank, Norman, B. Richardson, and J. Acum, to Priestman Bros. Ltd. Levelling devices. 3,398,967, 8–27–68, Cl. 280—6.

Brocklehurst, Peter, to The Procter & Gamble Co. N-trialkylammonium imides of higher fatty acids. 3,410,880, 11–12–68, Cl. 260—404.5.

Brockman, Frank G., to North American Philips Co., Inc. Method of controlling the atmosphere in preparing ferrites. 3,413,084, 11–26–68, Cl. 23—51.

Brockman, Frank G., P. W. Beck, and W. G. Steneck, to North American Philips Co., Inc. Electromechanical transducer employing a piezomagnetic manganese ferrous ferrite. 3,375,195, 3–26–68, Cl. 252—62.56.

Brockman, Heinz, to Daimler-Benz Aktiengensellschaft. Gas turbine blade. 3,373,970, 3–19–68, Cl. 253—39.15.

Brockman, Lyle : *See*—
Bramer, Donald W., Brockman, Sibley, and Snell. 3,372,-267.

Brockmann, Franz F. H. Silk-screen printing machine for printing on cylindrical objects. 3,368,481, 2–13–68, Cl. 101—40.

Brockmuller, Friedrich F., to Windmoller & Holscher. Squard-bottom bag of weldable material. 3,369,731, 2–20–68, Cl. 229—62.5.

Brockmuller, Friedrich F., to Windmoller & Holscher. Apparatus for producing cross-bottom valve bags. 3,373,664, 3–19–68, Cl. 93—8.

Brockmüller, Friedrich F., to Windmoller & Holscher. Stacking device for hose drawing machines. 3,410,423, 11–12–68, Cl. 214—6.
Brockner, Charles E.: *See*—
Cook, Charles E., and Brockner. 3,380,054.
Cook, Charles E., and Brockner. 3,400,396.
Brockway Glass Co., Inc.: *See*—
Albert, John R., and Grebowiec. 3,417,432.
Brubaker, John G. 3,418,020.
McMackin, John J. 3,390,732.
McMeekin, James H. 3,390,569.
McMeekin, James H. 3,401,555.
Paruolo, Miller J., and McMeekin. 3,374,887.
Poole, James P. 3,375,095.
Snyder, Herbert C. 3,378,176.
Brod, Charles, Jr., to International Harvester Co. Safety valve filter. 3,387,435, 6–11–68, Cl. 55—482.
Broderick, David C., to Metcom, Inc. Gaseous-solid state power limiter having a self-biasing circuit for the solid state device. 3,364,445, 1–16–68, Cl. 333—13.
Broderick, David C., to Metcom, Inc. Gaseous-solid state power limiter. 3,369,196, 2–13–68, Cl. 333—13.
Broderick, Frank W. Process for register embossing printed sheet metal. 3,362,264, 1–9–68, Cl. 76—107.
Broderick, Frank W. Plastic coated embossing roll and method. 3,364,051, 1–16–68, Cl. 117—8.
Broderick, Frank W. Method of producing lenticular embossing rolls. 3,380,864, 4–30–68, Cl. 156—14.
Broderick, George F., B. C. Oxenrider, and J. P. Vitrone, to Allied Chemical Corp. Bis(p-hydroxycumyl)benzene. 3,393,244, 7–16–68, Cl. 260—619.
Broderick, John W., R. E. Dawley, R. M. Fiorenza, M. Kozar, H. L. Lineman, and R. L. Pierson, to International Business Machines Corp. Electrical component tester with test multiplexing. 3,392,830, 7–16–68, Cl. 209—73.
Broderick, Richard F. Signal ratio system utilizing voltage controlled oscillators. 3,404,289, 10–1–68, Cl. 307—235.
Brodersen, Edward M., and R. D. Hopfensperger, to Southwest Welding & Mfg. Co. Mounting for safety canopies. 3,380,774, 4–30–68, Cl. 296—102.
Broderson, Dean E., H. W. Gronemeyer, Jr., and F. D. Freudenthal, to R O Products, Inc. Mobile hydraulic hammer. 3,384,186, 5–21–68, Cl. 173—24.
Brodie, George R., to John C. Motter Printing Press Co. Double ductor. 3,417,692, 12–24–68, Cl. 101—350.
Brodie, Ivor: *See*—
Cirimele, Eugene F., and Brodie. 3,401,893.
Brodie, Ivor, to Varian Associates. Electrographic toner development employing a clean-up electrode structure for removing unwanted background. 3,411,482, 11–19–68, Cl. 118—637.
Brodie, Sidney S., and A. de la Lastra. Apparatus for the removal of a cemented dental structure. 3,377,704, 4–16–68, Cl. 32—43.
Brodigan, Michael W. Abrading machine. 3,389,509, 6–25–68, Cl. 51—176.
Brodmann, George L., to E. I. du Pont de Nemours and Co. Binder-lubricant for fiber batts. 3,402,070, 9–17–68, Cl. 117—138.8.
Brodrene Gram A/S: *See*—
Gram, Hans. 3,391,548.
Brodum, Hazel: *See*—
Bucknell, Ernest H., and Ward. 3,415,279.
Bucknell, Ernest H., and Ward. 3,415,280.
Brody, Arthur. Pocket forming device for library cards. 3,372,858, 3–12–68, Cl. 229—74.
Brody, David: *See*—
Goldhirsh, Bernard A. 3,383,157.
Brody, Thomas P., to Westinghouse Electric Corp. Solid state electron multiplier including reverse-biased dissimilar semiconductor layers. 3,364,367, 1–16–68, Cl. 307—308.
Brodzinsky, Albert, J. B. Reynolds, Jr., and I. M. Saffitz, to United States of America, Navy. Computer device for aircraft carrier approach system. 3,388,382, 6–11–68, Cl. 328—142.
Broeckel, Daniel. Chaff collector attachment for combines. 3,370,728, 2–27–68, Cl. 214—522.
Broerman, Arthur B., to Phillips Petroleum Co. Valve. 3,376,894, 4–9–68, Cl. 137—625.48.
Broerman, Arthur B., to Phillips Petroleum Co. Pneumatic amplifier sampling valve for chromatographic analyzers. 3,387,496, 6–11–68, Cl. 73—422.
Broersma, Robert J., and P. F. Boomgaard, to B & B Engineering Co. Simplified pot dispenser. 3,383,014, 5–14–68, Cl. 221—210.
Broersma, Robert J., P. F. Boomgaard, P. E. Droppers, and D. M. Wilson, to B & B Engineering Co. Pot dispenser with multiple, simultaneously acting and circumposed discharge assistants. 3,415,416, 12–10–68, Cl. 221—221.
Broestl, Edward A.: *See*—
Kornick, John B., and Broestl. 3,937,626.
Brogan, Francis A. Audiometric method and apparatus. 3,387,089, 6–4–68, Cl. 179—1.
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Welch, Paul R., and Brogden. 3,369,591.
Brogg, Armando: *See*—
Galli De Paratesi, Sergio, Genet, Ghiurghi, Agazzi, Morbello, and Brogg. 3,414,476.
Broggie, Roger E., and R. H. Gurr, to WED Enterprises, Inc. Passenger moving apparatus. 3,412,690, 11–26–68, Cl. 104—168.
Brogren, Edwin N.: *See*—
Johnson, Kenneth R., Beert, and Brogren. 3,410,052.
Brogy, Inc.: *See*—
Lino, Joseph A. 3,386,739.
Brohawn, Elwood A. Device for installation of bundling straps. 3,370,621, 2–27–68, Cl. 140—123.6.
Broich, Franz, and H. Grasemann, to Chemische Werke Huls Aktiengesellschaft. Process for the recovery of boric acid from the oxidation mixtures of liquid-phase oxidation of hydrocarbons. 3,399,035, 8–27–68, Cl. 23—149.
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Berger, Louis, Broida, and Bressler. 3,403,077.
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Herman, Harry H., Jr. 3,371,541.
Broido, Louis: *See*—
Herman, Harry H., Jr. 3,371,541.
Brois, Stanley J., to Esso Research and Engineering Co. Preparation of thiophosphoric acid. 3,399,963, 9–3–68, Cl. 23—139.
Brois, Stanley J., to Esso Research and Engineering Co. Adducts of hexafluoroacetone with N-(2-aminoalkyl) aziridine. 3,401,164, 9–10–68, Cl. 260—239.
Broja, German, and H. Gradinger, to Farbenfabriken Bayer Aktiengesellschaft. Aluminum fluoride manufacture with a moving aluminum fluoride bed. 3,385,658, 5–28–68, Cl. 23—88.
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Engle, Allen W., Cascy, and Brokaw. 3,375,897.
Brokaw, Adrian P., to Dresser Industries, Inc. Simultaneous dual spaced acoustic well logging system. 3,374,851, 3–26–68, Cl. 181—.5.
Broken Hill Associated Smelters Proprietory Ltd., The: *See*—
Davey, Thomas R. A., and Webster. 3,368,805.
Brokke, Mervin E.: *See*—
Baker, Don R., Brokke, and Arneklev. 3,388,122.
Thomson, Arthur C., Szabo, Brokke, and Menn. 3,384,540.
Brokke, Mervin E., G. E. Lukes, deceased (by J. Hazzard, administrator), and D. R. Arnekiev, to Stauffer Chemical Co. Complexes of phosphorus pentafluoride-oximes. 3,375,277, 3–26–68, Cl. 260—566.
Brokke, Mervin E., T. E. Elward, and T. B. Williamson, to Stauffer Chemical Co. S-(3,4,4-trifluorobutenyl-3) monor or dithio phosphates, phosphonates or phosphinates. 3,395,199, 7–30–68, Cl. 260—955.
Brola, Gabriel. Boilers. 3,369,527, 2–20–68, Cl. 122—410.
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Genähr, Rudolf, and Brolde. 3,411,010.
Genähr, Rudolf, and Brolde. 3,411,011.
Brom, Marvin L.: *See*—
Rex, Charles H., and Brom. 3,398,273.
Brombach, Willi: *See*—
Modder, Otto, Rotter, and Brombach. 3,408,879.
Bromell, Raymond J., and M. D. Lackey, to Automatic Drilling Machines, Inc. Stabilized offshore drilling apparatus. 3,390,654, 7–2–68, Cl. 114—.5.
Bron, Walter E., W. R. Heller, and P. A. Roland, to International Business Machines Corp. Cathode ray device with screen having integrity against stress. 3,366,818, 1–30–68, Cl. 313—91.
Bronder, Herbert, to Ingersoll-Rand World Trade. Boom for drilling machines. 3,374,975, 3–26–68, Cl. 248—16.
Brondum, Hazel: *See*—
Bucknell, Ernest H., Baug and Ward. 3,415,454.
Bronemo, Erik A. and G. R., to Sunds Verkstader Aktiebolag. Branch removing machine. 3,385,331, 5–28–68, Cl. 144—2.
Bronemo, Gustav R.: *See*—
Bronemo, Erik A. and G. R. 3,385,331.
Bronfman, Benjamin, to Rent-Aid Systems, Inc. Button feeding mechanism for sewing machines. 3,382,824, 5–14–68, Cl. 112—113.
Bronicki, Lucien: *See*—
Tabor. Harry Z., and Bronicki. 3,393,515.
Bronicki, Lucien, to State of Israel, Prime Minister's Office. Power generating units. 3,409,782, 11–5–68, Cl. 290—2.
Bronikowski, Raymond J., to McGraw-Edison Co. Fuse cutout. 3,374,329, 3–19–68, Cl. 200—127.
Bronilla, Charles F., S. H. Brown, and G. P. Miller, to National Lead Co. Fire protection shield for radioactive shipping container. 3,391,280, 7–2–68, Cl. 250—108.
Bronnes, Robert L.: *See*—
Hughes, Ray C., Bronnes, and Sweet. 3,393,446.
Bronnes, Robert L., to North American Philips Co., Inc. Transistor base and method of making the same. 3,386,906, 6–4–68, Cl. 204—192.
Bronnes, Robert L., R. C. Hughes, and R. C. Sweet, to North American Philips Co., Inc. Hermetic electrical lead-in assembly. 3,371,406, 3–5–68, Cl. 29—473.1.
Bronnes, Robert L., R. C. Hughes, and R. C. Sweet, to North American Philips Co., Inc. Fusion bonding to non-metals. 3,412,455, 11–26–68, Cl. 29—472.7.
Bronnes, Robert L., R. C. Sweet, and R. C. Hughes, to North American Philips Co., Inc. Fluorine-resistant electrical terminal, 3,418,423, 12–24–68, Cl. 174—152.
Bronson, Charles L.: *See*—
Varel, Daniel W., Bronson, and Shields. 3,388,756.
Bronson, Joseph. Clamping device. 3,385,488, 5–28–68, Cl. 224—42.1.
Bronstein, Jesse B., Jr., to Trojan Powder Co. Inorganic oxidizer salt-alcohol explosive slurry containing an alcohol thickening agent. 3,395,056, 7–30–68, Cl. 149—44.

Bronstien, Edward L., Jr., and R. A. Fisher, to The United States Bedding Co. Spring assembly and element employed in same. 3,391,412, 7-9-68, Cl. 5—260.

Bronzavia S.A.: *See*—
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Bronze Inc.: *See*—
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Brook, Arthur. Knitting apparatus for producing pile fabric. 3,394,564, 7-30-68, Cl. 66—93.

Brook, David I. Machine for processing tubular goods. 3,392,430, 7-16-68, Cl. 26—55.

Brooke, Alvin W., H. C. Kuntzleman, and H. G. Markey, to International Business Machines Corp. Start-stop synchronous data transmission system. 3,388,216, 6-11-68, Cl. 178—53.1.

Brooke, Frank W. Furnace construction and utilization. 3,404,209, 10-1-68, Cl. 13—10.

Brooker, Leslie G. S.: *See*—
Jenkins, Philip W., and Brooker. 3,379,533.
Lincoln, Lewis L., and Brooker. 3,397,981.
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Brooker, Leslie G. S., and G. H. Keyes, to Eastman Kodak Co. Solubilized sensitizing dyes. 3,411,916, 11-19-68, Cl. 96—106.

Brookes, Robert F., D. H. Godson, and E. L. Leafe, to Boots Pure Drug Co. Ltd. Lower aliphatic esters of N-phenyl and N-m-chlorophenyl carbamic acid containing an acyl group. 3,393,224, 7-16-68, Cl. 260—471.

Brookfield, Richard A. Device for locking a hypodermic needle hub to a syringe. 3,367,331. 2-6-68, Cl. 128—221.

Brookhyser, Byron B., to Weyerhaeuser Co. Sheet positioner. 3,367,478, 2-6-68, Cl. 198—35.

Brookhyser, Byron B., to Weyerhaeuser Co. Supply station. 3,404,790, 10-8-68, Cl. 214—8.5.

Brookhyser, Byron B., and H. E. Erickson, to Weyerhaeuser Co. Lathe charger. 3,392,765, 7-16-68, Cl. 144—209.

Brookover, George B., C. J. Hudecek, and J. H. Oliver, to Owens-Illinois, Inc Hermetic packages for electronic components. 3,404,213, 10-1-68, Cl. 174—52.

Brooks, Alan C. Piston rod actuated internal metering flow control mechanism. 3,412,827, 11-26-68, Cl. 188—96.

Brooks, Alden W.: *See*—
Jensen, Howard J., Richmond, Brooks, and Waugh. 3,416,383.

Brooks, Berry A., and B. D. Jubilee, Jr., to National Starch and Chemical Corp. Pressure sensitive adhesive compositions. 3,371,071. 2-27-68, Cl. 260—78.5.

Brooks, Burton J.: *See*—
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Brooks, Charles, and T. Sutton, to Cee Bee Mfg. Co., Inc. Decorative extruded plastic stripping and laminated products including the same. 3,419,458, 12-31-68, Cl. 161—121.

Brooks, Charles G.: *See*—
Barditch, Irving F., and Brooks. 3,374,425.
Barditch, Irving F., and Brooks. 3,419,812.

Brooks, Clive R.: *See*—
Davidson, John W., Brooks, Voisey, and Burton. 3,403,488

Brooks, Doyle K. Knock-down shelving assembly. 3,387,713, 6-11-68, Cl. 211—148.

Brooks, E. J., Co.: *See*—
Brooks, Winfred M., and Moberg. 3,371,949.
Moberg, Sigurd M. 3,375,033.

Brooks, Eugene H., and R. M. Shelburne, to Hardwicke-Etter Co. High capacity gin stand. Re. 26,446, 8-27-68, Cl. 19—57.

Brooks, Forrest E., Y. Rachovitsky, J. L. Lindinger, M. F. Kaminsky, and R. A. Hammel, to Radio Corp. of America. Controlling interchanges between a computer and many communications lines. 3,413,612, 11-26-68, Cl. 340—172.5.

Brooks, Frank W.: *See*—
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Brooks, Fred A., to United States of America, Air Force. Voice signal processing and phase equalizing for SSB system. 3,418,580, 12-24-68, Cl. 325—137.

Brooks, Fred A., Jr.: *See*—
Terry, William M., and Brooks. 3,394,758.

Brooks, Fred A., Jr., to Esso Production Research Co. Method for consolidating subterranean formations. 3,419,073, 12-31-68, Cl. 166—33.

Brooks, George D., D. A. Farrington, and J. E. Foley, to General Electric Co. Frequency responsive lubrication system. 3,391,602, 7-9-68, Cl. 89—1.

Brooks, Houston G.: *See*—
Horton, Robert L., and Brooks. 3,365,421.

Brooks, James K.: *See*—
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Brooks, James L., to United States of America, Navy. Network for determining magnitude and phase angle of noise impedance. 3,388,326, 6-11-68, Cl. 324—57.

Brooks, James W., to United States of America, Navy. Pneumatic explosion generator (PEG). 3,379,272, 4-23-68, Cl. 181—.5.

Brooks, John D., to United States of America, Navy. Magnetohydrodynamic-vortex stream transducer. 3,395,720, 8-6-68, Cl. 137—81.5.

Brooks, John H.: *See*—
Sheaffer, Benjamin L., and Brooks. 3,412,719.

Brooks, John H., to McCulloch Corp. Constant-peak pressure, rotary valve engine and method of operation thereof. 3,395,680, 8-6-68, Cl. 123—78.

Brooks, John M. Container with tray and side opening closure. 3,362,611, 1-9-68, Cl. 229—17.

Brooks, John T., Jr.: *See*—
Kershaw, Royce G., R. G., Jr., Copeland, and Brooks. 3,385,230.

Brooks, Joseph A., to E. I. du Pont de Nemours and Co. Dyeing and light stabilizing nylon yarns with sulfonated dyes; sterically hindered phenols, and alkylnaphthalene sulfonates with or without other ultraviolet light absorbers. 3,363,969. 1-16-68, Cl. 8—17.

Brooks, Julius E.: *See*—
Johnson, James H., and Brooks. 3,410,175.

Brooks, Lester A.: *See*—
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Brooks, Louis E.: *See*—
Kauer, George C., Jr., and Brooks. 3,399,510.

Brooks & Perkins, Inc.: *See*—
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Brooks, Richard, to Imperial Chemical Industries Ltd. Production of sodium carbonate. 3,379,495, 4-23-68, Cl. 23—63.

Brooks, Richard J., and B. J., to Chemithon Corp. Chemical digester. 3,363,994, 1-16-68, Cl. 23—290.5.

Brooks, Richard W., and A. F. Kubli. Carriage for supporting lances in steel making operations. 3,386,722, 6-4-68, Cl. 266—34.

Brooks, Robert B., and G. P. Totten, to United States of America, Army. Setback responsive arming device. 3,416,894 12-17-68, Cl. 102—78.

Brooks, Simmie. Lady's shoe. 3,369,309, 2-20-68, Cl. 36—2.5.

Brooks, Warren B.: *See*—
Dean, James T., Gravley, Randerson, and Brooks. 3,417,611.

Brooks, Warren B., to Mobil Oil Corp. Acoustic method for treatment of stuck pipe in a well. 3,399,724, 9-3-68, Cl. 166—4.

Brooks, William. Programming device and sawtooth generator therefor. 3,418,652, 12-24-68, Cl. 340—324.

Brooks, William J. Swimming instruction pool. 3,373,450, 3-19-68, Cl. 4—172.

Brooks, William R., and J. V. Moore, to Binks Mfg. Co. Airless spray gun using diametrically opposed impingement orifices. 3,366,337, 1-30-68, Cl. 239—414.

Brooks, William T. Safety cushion. 3,382,511, 5-14-68, Cl. 5—355.

Brooks, Winfred M., and S. M. Moberg, to E. J. Brooks, Co. Bag seal including a unitary, deformable sealing element with deformable bag gripping arms. 3,371,949, 3-5-68, Cl. 292—308.

Brookside Corp.: *See*—
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Broom, Ronald F. J., to National Research Development Corp. Semiconductor laser array. 3,396,344, 8-6-68, Cl. 331—94.5.

Broom, Trevor, to Central Electricity Generating Board. Magnetohydrodynamic electrical generators. 3,374,369, 3-19-68, Cl. 310—11.

Broome, Frank H., to United States of America, Atomic Energy Commission. Spindle growth compensating system. 3,393,588, 7-23-68, Cl. 82—2.

Broomhall, Gordon E., to Hughes Aircraft Co. Welding control circuit. 3,394,240, 7-23-68, Cl. 219—110.

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Broquist, Alben V. Prestressed concrete reinforcing arch structure. 3,378,965, 4-23-68, Cl. 52—88.

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Brose, Harlan F., to United Aircraft Corp. Apparatus for reclaiming water. 3,385,769, 5-28-68, Cl. 202—197.

Brose, Horace B. Tire repair insert. 26,368, 4-9-68, Cl. 152—370.

Brosene, William G., Jr., to Studebaker Corp. Stud feeding mechanism. 3,367,015. 2-6-68, Cl. 29—212.

Brosene, William G., Jr., to Studebaker Corp. Stud feeding mechanism. 3,397,015. 8-13-68. Cl. 302—2.

Broser, Richard, to Accum-Matic Systems, Inc. Automatic accumulating transfer mechanism. 3,385,418, 5-28-68, Cl. 198—221.

Broser, Richard, to Accum-Matic Systems, Inc. Automatic accumulating elevator for automation. 3,385,419, 5-28-68, Cl. 198—225.

Brosilow, Jerry L.: *See*—
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Brosious, Daniel R., and J. K. Hollingshead, to Bethlehem Steel Corp. Three phase light source for pinhole detector. 3,395,286, 7-30-68, Cl. 250—219.

Brosius, Arthur G., Sr. Automotive safety device. 3,397,911, 8-20-68, Cl. 297—216.

Brosk, Doris A. Combined garment hanger and receptacle. 3,414,175, 12-3-68, Cl. 223—85.

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Bross, Helmut K. Writing instrument. 3,408,148, 10-29-68, Cl. 401—113.

Bross, William T., to Liebel-Flarsheim Co., Div. of Ritter Co., Inc. Precisely timed A.C. switching system for X-ray tubes. 3,406,286, 10–15–68, Cl. 250—95.

Brossard, Bernard P., to Rhone-Poulenc S.A. Preparation of dicarboxylic acid monoamides. 3,376,337, 4–2–68, Cl. 260—534.

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Brosse, Raymond. Devices for teaching diving. 3,409,294, 11–5–68, Cl. 272—1.

Brosseau, Louis P. Boundary frame members for moulding panels. 3,414,230, 12–3–68, Cl. 249—193.

Brosseit, Fritz V., to Western Electric Co., Inc. Methods of and apparatus for punch forming and separating pieces from a strip of material. 3,876,634, 4–9–68, Cl. 29—428.

Brothen, Oscar G., to Anaconda American Brass Co. Manufacture of integrally finned tubing. 3,383,892, 5–21–68, Cl. 72—98.

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Brothers, Abe R. Radial separator for purifying tobacco smoke and smokers' articles incorporating such separators. 3,366,-122, 1–30–68, Cl. 131—10.5.

Brothers, Abe R. Device for removal of deleterious substances from tobacco smoke. 3,366,123, 1–30–68, Cl. 131—10.5.

Brothers, George V. V. Display holder. 3,376,975, 4–9–68, Cl. 206—78.

Brothers, Jack, to United States of America, Army. Internal firing switch means for electrically-fuzed projectiles. 3,372,-642, 3–12–68, Cl. 102—70.2.

Brothers, Jack. Hose reel. 3,384,140, 5–21–68, Cl. 150—52.

Brothers, Jack, to United States of America, Army. Piezoelectric generator unit for space vehicles. 3,389,275, 6–18–68, Cl. 310—8.3.

Brothers, Jack, to United States of America, Army. Control system for stand-off functioning of a projectile in flight over a target area. 3,416,448, 12–17–68, Cl. 102—56.

Brothers, Jack, to United States of America, Army. Tandem effect anti-tank projectile. 3,416,449, 12–17–68, Cl. 102—56.

Brothers, Kenneth F., to The Nik-O-Lok Co. Utility shelf. 3,364,885, 1–23–68, Cl. 108—134.

Brotherson, Kenneth G., to Automatic Gates (Nucastle) Pty., Ltd. Automatic farm gate. 3,381,412, 5–7–68, Cl. 49—236.

Brothman, Abraham, and R. D. Reiser, to Sangamo Electric Co. Automated sequential interrogation meter reading system over telephone lines. Re. 26,331, 1–9–68, Cl. 179—2.

Brothman, Abraham, L. Horowitz, M. Gomery, and C. Yanis, to Sangamo Electric Co. Supervisory control system. 3,374,-464, 3–19–68, Cl. 340—172.5.

Brothman, Abraham, S. J. Halpern, R. D. Reiser, A. A. Miller, S. F. Finkey, and W. Chen, to Sangamo Electric Co. Phase-shift keying receiver utilizing the phase shift carrier for synchronization. 3,376,511, 4–2–68, Cl. 325—320.

Brothman, Abraham, S. J. Halpern, and A. J. Bruckner, to Sangamo Electric Co. Portable meter-reading device. 3,376,-567, 4–2–68, Cl. 340—188.

Brothman, Abraham, and C. Yanis, to Sangamo Electric Co. Telemetering system for determining phase angle. 3,382,-483, 5–7–68, Cl. 340—151.

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Brothman, Abraham, and N. L. Kahn, to Sangamo Electric Co. Card reader means. 3,412,237, 11–19–68, Cl. 235—61.11.

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Broussaud, Georges, and L. Malnar, to CSF-Compagnie Generale de Telegraphie Sans Fil. Optical resonance cells. 3,418,565, 12–24–68, Cl. 324—.5.

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Brown, David A. Toy glider with automatic wing converging means. 3,369,319, 2–20–68, Cl. 46—80.
Brown, David A., and B. S. Benson. Marking device. 3,390,-460, 7–2–68, Cl. 33—27.
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Brown, Edward A., to G. D. Searle & Co. 17α-alkyl-17β-methyl-3-oxo-13δ-gonene epoxides and intermediates. 3,388,125, 6–11–68, Cl. 260—239.55
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Brown, Ernest C., to Wolverine Corp. Slot apparatus for high velocity gas treatment of moving webs. 3,398,466, 8–27–68, Cl. 34—160.
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Brown, Frank M., J. A. Tonjum, and K. E. Tribbett, to Geo. A. Hormel & Co. Apparatus for handling meat products. 3,393,809, 7–23–68, Cl. 211—113.
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Brown, Gene R., and C. H. Weidenhammer, to The National Cash Register Co. Suspending and selecting means for random access systems. 3,361,135, 1–2–68, Cl. 129—16.1.
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Ballard, Francis J., Jr. 3,386,773.
Green, Sydney J., and Willis. 3,403,202.
Haslam, Fred. 3,370,594.
Horsewell, Henry G., and Tolman. 3,403,690.
Kilburn, Keith D., and Dymond. 3,403,686.
Mizelle, Adrian C., and Gillespie. 3,405,503.
Rome, Matthew D. L. 3,370,514.
Sexstone, John H., and Hilgartner. 3,400,032.

Brown, Wilmot E., Jr., to Bell Telephone Laboratories, Inc. Telephone set. 3,365,550, 1–23–68, Cl. 179—100.

Brownawell, Darrell W.: *See*—
Kresge, Edward N., Wagensommer, Jacobson, and Brownawell. 3,389,087.
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Takashima, Herbert, Jacobson, and Brownawell. 3,388,-067.
Takashima, Herbert, Kresge, and Brownawell. 3,404,091.

Brownawell, Darrell W., and V. P. Catto, to Esso Research and Engineering Co. Middle distillate flow improver. 3,389,-979, 6–25–68, Cl. 44—62.

Browne, Colin L., to Celanese Corp. Smoke filters. 3,396,061, 8–6–68, Cl. 156—178.

Browne, Donald M. Sealing tool. 3,383,747, 5–21–68, Cl. 29—81.

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Philibert, Robert A., Browne, Sanger, and Kirk. 3,419,-756.

Browne, Frank L., to O. Z. Electrical Mfg. Co., Inc. Grounding lugs for conduit fittings and the like. 3,365,693, 1–23–68. Cl. 339—14.

Browne, Kenneth A., and T. H. Engle, to The Chesapeake and Ohio Railway Co. Retarders. 3,412,829, 11–26–68, Cl. 188—180.

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Browne, Thomas E., Jr., and C. B. Wolf, to Westinghouse Electric Corp. Arc heater apparatus and heat shield assembly for use therein. 3,389,282, 6-18-68, Cl. 313—19.
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Brownell, John R., to Turbo Machine Co. Modular textile drafting machine. 3,363,287, 1-16-68, Cl. 19—260.
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Browning, Bruce W., to Browning Industries, Inc. Receiver-stock assembly for firearm. 3,380,182, 4-30-68, Cl. 42—75.
Browning, Bruce W., to Browning Industries, Inc. Trigger mechanism for firearms. 3,395,613. 8-6-68. Cl. 89—146.
Browning, Bruce W., to Browning Industries, Inc. Cartridge extractor and extractor spring therefor. 3,397,473, 8-20-68, Cl. 42—25.
Browning, Edgar P., to Deere & Co. Combined variable speed and planetary drive. 3,375,733. 4-2-68, Cl. 74—689.
Browning, Edgar P., to Deere & Co. Transmission control. 3,385,132. 5-28-68. Cl. 74—689.
Browning, Espey T. Scraping blade attachment for a rake. 3,397,469, 8-20-68, Cl. 37—53.
Browning, Francis A. Fluid operated flasher signal. 3,374,763, 3-26-68, Cl. 116—63.
Browning, Hugh R., and P. Carter, to Lever Brothers Co. Detergent compositions. 3,415,752. 12-10-68, Cl. 252—96.
Browning, Iben, to Thomas Bede Foundation. Wet and dry towel dispenser. 3,388,953, 6-18-68, Cl. 312—39.
Browning, Iben. Copying method and apparatus. 3,410,190, 11-12-68, Cl. 95—13.
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Browning, Bruce W. 3,368,298.
Browning, Bruce W. 3,380,182.
Browning, Bruce W. 3,395,613.
Browning, Bruce W. 3,397,473.
Browning, Val A. 3,387,538.
Lawrence, John S. 3,377,731.
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Browning, Melvin F., and W. J. Wilson, to United States of America, Atomic Energy Commission. Process of vapor coating nuclear fuel with beryllium oxide and carbon. 3,397,075. 8-13-68, Cl. 117—46.
Browning, Val A., to Browning Industries, Inc. Barrel recoil structure for firearms. 3,387,538. 6-11-68, Cl. 89—177.
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Brubaker, Reginald L. Measuring instrument. 3,407,507. 10-29-68, Cl. 33—179.
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Brubaker, Robert F., R. E. Hoffman, and N. J. Bullock, to General Motors Corp. Fluid supply system for an automatic washing machine. 3,367,153, 2-6-68, Cl. 68—12.
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Bruce, David V., to Western Electric Co., Inc. Method of soldering with radiant energy. 3,374,531, 3-26-68, Cl. 29—498.
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Bruce, John M., Jr., to E. I. du Pont de Nemours and Co. Method of crosslinking 5-methylene-2-norbornene copolymers. 3,364,188, 1-16-68, Cl. 260—88.2.
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Brückner, Paul, H. Gremmel, A. Hartig, H.-G. Schutte, and G. Leonhardt, to Calor-Emag Elektrizitats-Aktiengesellschaft. High tension switching station. 3,405,325, 10-8-68, Cl. 317—103.
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Brucksch, William F., to Uniroyal, Inc. Transparent ethylene-propylene-diene terpolymer rubber vulcanizate. 3,408,320, 10-29-68, Cl. 260—23.5.

Bruder, Karl, H. Buschfeld, and K. Gerhardt, to Firma G. Siempelkamp & Co. Abutment device for the platens of a multiplaten press. 3,371,380, 3–5–68, Cl. 18—17.

Bruder, Karl, and W. Hüsges, to Firma G. Siempelkamp & Co. Plural actuated press means for a press-charging system. 3,379,124, 4–23–68, Cl. 100—137.

Bruder, Karl, and W. Hüsges, to Firma G. Siempelkamp & Co. Lost motion press-charging apparatus. 3,379,322, 4–23–68, Cl. 214—16.6.

Bruder, Karl, and W. Husges, to G. Siempelkamp & Co., Firma. Apparatus for the charging of multiplaten presses. 3,389,-652, 6–25–68, Cl. 100—137.

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Brüderlein, Johannes, to Beteiligungs- und Patentverwaltungsgesellschaft mit beschrankter Haftung. Mechanical vibrator with electromagnetic damping means. 3,387,499, 6–11–68, Cl. 74—61.

Bruderlein, Johannes, to Fried Krupp Gesellschaft mit beschrankter Haftung. Vibratory apparatus. 3,417,630, 12–24–68, Cl. 74—61.

Brudner, Harvey J., to American Can Co. Branching-instruction teaching device. 3,408,749, 11–5–68, Cl. 35—9.

Brudney, Harry, and R. S. Turshen, to Dollac Co. Plural eye unit holding means for doll heads. 3,399,488, 9–3–68, Cl. 46—169.

Brueckmann, Helmut, to United States of America, Army. Variable shield control for toroidal core inductors. 3,382,-471, 5–7–68, Cl. 336—87.

Brueder, Antoine, to Andre Citroen Societe Anonyme. Regulators for driving automotive vehicles equipped with infinitely variable-speed drive. 3,362,262, 1–9–68, Cl. 74—868.

Brueder, Antoine, to Societe Anonyme Andre Citroen. Vibration preveuting means for a disc brake. 3,391,761, 7–9–68, Cl. 188—73.

Brueder, Antoine, to Societe Anonyme Andre Citroen. Steering wheels and method of making same. 3,894,615, 7–30–68, Cl. 74—552.

Brueder, Antoine, to Societe Anonyme Andre Citroen. Supply pipe for fluid under pressure. 3,402,743, 9–24–68, Cl. 138—178.

Brueder, Antoine, to Andre Citroen, Societe Anonyme. Vehicle chassis. 3,409,098, 11–5–68, Cl. 180—54.

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Bruehl, Lawrence, to International Business Machines Corp. Magnetic drum assembly with air bearings. 3,375,506, 3–26–68, Cl. 340—174.1.

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Brueschke, Erich E., to Barnes Engineering Co. Scanning densitometer for thermal profile analysis. 3,406,290, 10–15–68, Cl. 250—219.

Bruet, Henri R., ½ to Etablissements A. Gazeneuve. V-belt speed-changing mechanisms operated by liquid under pressure. 3,403,567, 10–1–68, Cl. 74—230.17.

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Bruggeman, William L., to L & A Products, Inc. Self-sealing connector for multiaperture nozzle. 3,377,028, 4–9–68, Cl. 239—394.

Brugler, Joseph S., and W. H. Woodworth, to United States of America, Navy. Discriminator circuit responsive to a pulse position relative to a gate period. 3,373,363, 3–12–68, Cl. 328—109.

Bruha, Peter J., to Westinghouse Electric Corp. Fluid velocity measuring system. 3,402,606, 9–24–68, Cl. 73—194.

Bruhl, Donald A., Jr., and W. E. Counts, to Beckman Instruments, Inc. Method of making cermet resistance element and terminal connections therefor. 3,386,165, 6–4–68, Cl. 29—621.

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Bruinsma, Anne H., and J. M. Cluwen, to North American Philips Co., Inc. Electrical control circuits. 3,378,699, 4–16–68, Cl. 307—241.

Bruinsma, Josephus F. D., to Kiekens Wervelwind Holland N.V. Device for discharging a powdered material from a container. 3,386,628, 6–4–68, Cl. 222—193.

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Brule, Daniel C., to Compagnie de Saint-Gobain. Photochromic means and methods. 3,407,145, 10–22–68, Cl. 252—300.

Bruma, Marc, and M. F. Velghe, to Centre National de la Recherche Scientifique. Apparatus for effecting optical viewing and marking of a workpiece. 3,387,109, 6–4–68, Cl. 219—69.

Bruma, Marc, and M. Velghe, to Centre National de la Recherche Scientifique. Adaptation of laser heads on mechanical units, especially on microscopes. 3,392,258, 7–9–68, Cl. 219—121.

Brumagin, Thomas H., and S. H. Brown, to Ajax-Newark, Inc. Apparatus for treating aluminum dross. 3,417,930, 12–24–68, Cl. 241—64.

Brumbaugh, George U., L. S. Sherman, and H. Furiya, to Pacific Car and Foundry Co. (Peterbilt Motors Co. Division). Truck hood. 3,419,099, 12–31–68, Cl. 180—69.

Brumbaugh, Robert T., E. G. Cromer, Jr., and C. S. Czyryk, to Mangood Corp Electromechanical accumulator. 3,404,395, 10–1–68, Cl. 340—347.

Brumfield, John C., to I-T-E Circuit Breaker Co. Circuit breaker mounting arrangement including a base support member for bolt connecting the circuit breaker terminals to an external circuit. 3,366,846, 1–30–68, Cl. 317—119.

Brumfield, John C., and C. T. Robins, to I-T-E Circuit Breaker Co. Circuit breaker resetting and closing mechanism. 3,377,-574, 4–9–68, Cl. 335—27.

Brumfield, John H. Wheel cover and retaining means therefor. 3,389,937, 6–25–68, Cl. 301—37.

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Brummer, Olin, and J. Talamonti, to Borg-Warner Corp. Fluid seal structure. 3,379,444, 4–23–68, Cl. 277—58.

Brummet, Berthal D., and F. S. Sadler, to McGraw-Edison Co. Thermally stabilized cellulosic material produced by treatment with diglycolamine in combination with pentaerythritol. 3,403,968, 10–1–68, Cl. 8—116.2.

Brummett, Earl R., to General Motors Corp. Regenerator seal. 3,368,612, 2–13–68, Cl. 165—9.

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Brundage, Robert W., to The Emerson Electric Mfg., Co. Hydraulic transmission. 3,379,007, 4–23–68, Cl. 60—53.

Brundage, Robert W., to The Emerson Electric Co. Vane type oscillating hydraulic motor. 3,418,886, 12–31–68, Cl. 91—339.

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Brunel, Henri. Method for lubrication and for protection against corrosion and aqueous colloidal compositions for performing this method. 3,371,047, 2–27–68, Cl. 252—389.

Brunel, Henri. Sealing combination comprising butylene polymer, filler, acid and polyvinyl acetate. 3,386,929, 6–4–68, Cl. 260—4.

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Brunelle, Thomas E., L. M. Rue, and S. B. Crecelius, to Economics Laboratory, Inc. Chlorine-containing surface active agents. 3,361,831, 1–2–68, Cl. 260—611.

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Brunet, Louis, to Society Zuccolo, Rochet & Cie. Locks for bracelets. 3,376,619, 4–9–68, Cl. 24—241.

Brunet, Michel, to North American Philips Co., Inc. Method of applying an ohmic contact to silicon of high resistivity. 3,368,274, 2–13–68, Cl. 29—589.

Brunette, Paul, to Northern Electric Co. Ltd. Indicia wheel display device having a selectively rotated wheel shaft. 3,370,291, 2–20–68, Cl. 340—378.

Brungardt, Donald J., and F. H. Longwell. Filing cabinet support structure for sheet material. 3,363,954, 1–16–68, Cl. 312—184.

Bruning, Armin M., and G. A. Kemeny, to Westinghouse Electric Corp. Arc furnace electrode magnetic circuit forming structure for use therein. 3,395,239, 7–30–68, Cl. 13—18.

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Bruninghaus, Paul, to Rheinische Werkzeug- und Maschinenfabrik G.m.b.H. Vibrating screen drive. 3,370,706, 2-27-68, Cl. 209—368.
Brunins, Guntis, to United States of America, Army. Crystal oscillator of high stability. 3,366,893, 1-30-68, Cl. 331—116.
Brunins, Guntis, to United States of America, Army. D.C. voltage comparator system using a beam deflection tube. 3,411,086, 11-12-68, Cl. 324—121.
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Bruno, Charles F., to E. R. Squibb & Sons, Inc. Separation and purification of cellulase. 3,398,055, 8-20-68, Cl. 195—66.
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Bruno, Enrico, to Maidenform, Inc. Brassiere with lower cup framing adjustment. 3,378,013, 4-16-68, Cl. 128—482.
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Bruno, Guy D., N. Cheldelin, and N. Wells, to Aluminum Co. of America. Method of controlling alumina content during aluminum electrolysis. 3,400,062, 9-3-68, Cl. 204—67.
Bruno, Michael F., to E. I. du Pont de Nemours and Co. Method of flame treating and heat sealing a biaxially oriented heat shrinkable plastic film. 3,361,607, 1-2-68, Cl. 156—82.
Bruno, Michael F., and J. D. Sculley, to E. I. du Pont de Nemours and Co. Coated polyolefin film structure and process of preparation thereof. 3,397,163, 8-13-68, Cl. 260—28.5.
Bruno, Peter. Fluid leak monitoring apparatus. 3,416,560, 12-17-68, Cl. 137—456.
Bruns, Arnold M. Dipstick wiper. 3,360,819, 1-2-68, Cl. 15—210.
Bruns, Elton W., and R. E. Black, to Stamco, Inc. Apparatus for winding coils of metal strip material. 3,406,924, 10-22-68, Cl. 242—56.4.
Bruns, Herbert F. Air directing device. 3,371,855, 3-5-68, Cl. 230—120.
Bruns, Ludwig, and G. Schnuchel, to Erdolchemie Gesellschaft mit beschrankter Haftung. Porous metals. 3,376,119, 4-2-68, Cl. 29—192.
Bruns, Ludwig, and G. Schnuchel, to Erdolchemie Gesellschaft mit beschrankter Haftung. Process for the production of porous metals. 3,378,365, 4-16-68, Cl. 75—20
Bruns, Robert F. Crusher jaws. 3,380,674, 4-30-68, Cl. 241—291.
Bruns, William H., L. H. Diamond, and H. Jacoby, to Otis Elevator Co. Photocell position detector for elevator cars including a perforated tape uniquely encoded for each position with responsive control means. 3,414,088, 12-3-68, Cl. 187—29.
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Brunson, Bruce W., to Werner Machinery Co. Take-off knife arrangement. 3,408,961, 11-5-68, Cl. 107—12.
Brunson, Bruce W., D. Sporte, and W. R. Dufendach, to Werner Machinery Co. Method and apparatus for applying topping to wafers. 3,385,237, 5-28-68, Cl. 107—54.
Brunson, Marion O., and K. W. Hyche, to Eastman Kodak Co. Hot melt adhesive composition. 3,418,202, 12-24-68, Cl. 161—192.
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Crimmins, William M. 3,416,443.
Deuschle, Fritz, and Reiss. 3,419,179.
Drehobl, William E. 3,389,511.
Gray, Lysle B. 3,396,410.
Hennings, Louis W. 3,386,277.
Higgins, John L., and Stevens. 3,402,714.
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Igel, Anthony A., Liesmann, and Pokras. 3,406,690.
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Minks, Floyd M. 3,395,684.
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Minks, Floyd M. 3,402,325.
Poppen, Sherman R. 3,378,274.
Pratt, Goodrich B. 3,385,212.
Roberts, John A., and Quirk. 3,378,999.
Rockwood, Albert M. 3,409,300.
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Rockwood, Albert M., Russell, Gretzky, and Baldwin. 3,401,937.
Rogers, Albert P. 3,376,699.
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Bruson, Herman A., and H. L. Plant, to Olin Mathieson Chemical Corp. 1(α-hydroxy-β-trichloroethyl)-dicyclopentadiene and di- and tetrahalo derivatives thereof. 3,410,912, 11-12-68, Cl. 260—617.
Bruson, Herman A., and H. L. Plant, to Olin Mathieson Chemical Corp. 5,6,7,8,11,11,12,12-octachloro-2,3,3a,4,4a,5,8,8a,9,9a-decahydro-2,3:4,9:5,8-trimethano-1H-cyclopenta(3a:9a)naphthalene. 3,410,916, 11-12-68, Cl. 260—648.
Bruss, Howard G., Jr., W. J. Schlientz, and B. E. Wiens, to Owens-Illinois, Inc. Method of rendering glass surfaces abrasion-resistant and article produced. 3,414,429, 12-3-68, Cl. 117—69.
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Brust, Bernard, R. I. Fryer, and L. H. Sternbach, to Hoffmann-La Roche Inc. 2-aliphatic-1,3-di(4-pyridyl)-2-propanols. 3,398,156, 8-20-68, Cl. 260—296.

Brust, Bernard, R. I. Fryer, and L. H. Sternbach, to Hoffmann-La Roche Inc. 2-(4-pyridyl) methanol derivatives. 3,400,126, 9–3–68, Cl. 260—247.5.
Brust, Bernard, R. I. Fryer, and L. H. Sternbach, to Hoffmann-La Roche Inc. 1,3-di(4-pyridyl)-2-propanol derivatives. 3,400,131, 9–3–68, Cl. 260—294.8.
Brust, Bernard, R. I. Fryer, and L. H. Sternbach, to Hoffmann-La Roche Inc. 2-aryl-1,3-di(4-pyridyl)-2-propanols. 3,410,859, 11–12–68, Cl. 260—294.8.
Bruton, James D., and D. H. Payne, to E. I. du Pont de Nemours and Co. Polymerization process. 3,385,841, 5–28–68, Cl. 260—93.5.
Brutting, Eugen. Sport shoe. 3,402,484, 9–24–68, Cl. 36—2.5.
Brutting, Ludwig W. Single stage presses. 3,385,094, 5–28–68, Cl. 72—419.
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Sarett, Lewis H., Bry, Fried, Oberster, and Beyler. 3,389,-153.
Bryan, Carney J., and H. Rovin. Automatic sewing machine system. 3,399,640, 9–3–68, Cl. 112—2.
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Crone, Alfred F., and Bryan. 3,417,680.
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Bryan, Harvard J. Rotary winged aircraft with drag propelling rotors and controls. 3,409,248. 11–5–68, Cl. 244—6.
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Bryan, Ian E.: *See*—
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Bryan, John F., Jr., to Trakwork Equipment Co. Convertible rail-tractor vehicle. 3,392,681, 7–16–68, Cl. 105—215.
Bryan, John F., Jr., to Trakwork Equipment Co. Railway ballast distributing car. 3,394,663, 7–30–68, Cl. 105—239.
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Sullivan, Dennis J., and Bryan. 3,374,455.
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Bryan, Luther E., to Gem Clay Forming, Inc. Artificial logs for fireplaces. 3,377,229, 4–9–68, Cl. 161—22.
Bryan, McNeil, to Lectro Systems, Inc. Device for electrically and physically connecting automatic dialer to telephone line in response to alarm condition. 3,368,040, 2–6–68, Cl. 179—5.
Bryan, McNeil, and J. E. Moore, Jr., to Lindsay Controls, Inc. Solenoid operated contact pins for insertion into a telephone jack. 3,383,468, 5–14–68, Cl. 179—5.
Bryan, Morris M., Jr., to The Jefferson Mills. Vehicle for doffing and collecting bobbins from a spinning frame. 3,374,-617, 3–26–68, Cl. 57—58.
Bryan, Morris M., Jr., to The Jefferson Mills, Inc. Handling and blending slivers. 3,375,556, 4–2–68, Cl. 19—157.
Bryan, Morris M., Jr., to The Jefferson Mills, Inc. Apparatus for continuous, high-speed processing and cleaning of fibers. 3,391,430, 7–9–68, Cl. 19—156.4.
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Bryans, David F., and C. C. Herb, to Carrier Corp. Air conditioning equipment. 3,379,329, 4–23–68, Cl. 220—1.
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Bryant, Bill J.: *See*—
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Bryant, Billy V. Extendible clothing rack. 3,417,874, 12–24–68, Cl. 211—100.
Bryant, David R., J. E. McKeon, and P. S. Starcher, to Union Carbide Corp. Redox catalytic oxidation of olefins to aldehydes and ketones. 3,365,498, 1–23–68, Cl. 260—586.
Bryant, Douglas E., to Norton Co. Oxidation of hydrogen chloride on copper exchanged mordenite. 3,407,039, 10–22–68, Cl. 23—219.
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Bryant, George M., and N. L. Zutty, to Union Carbide Corp. Dyeable polypropylene. 3,388,190, 6–11–68, Cl. 260—897.
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Bryant, Horace B., Jr., and L. T. Coffman, to Air Reduction Co., Inc. Removal of foreign element from a well. 3,397,-743, 8–20–68, Cl. 166—42.
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Duval, Claiborne A., Bryant, and Liu. 3,412,170.
McMakin, Lawrence E., Jr., and Bryant. 3,362,989.
Bryant, John G. Material handling fittings. 3,371,951, 3–5–68, Cl. 294—82.
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Bryant, Kenneth O., to United States of America, Navy. Digital range unit. 3,383,681, 5–14–68, Cl. 343—7.3.
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Slater, Raymond W., G. R. and L. Bryant. 3,417,765.
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Bryant, Stanley. Plug and socket connector for electric circuits. 3,417,213. 12–17–68, Cl. 200—51.
Bryce, Rodney H., to Dominion Engineering Works, Ltd. Hydraulic anti-deflection roll. 3,362,055, 1–9–68, Cl. 29—113.
Brychta, Ondrej: *See*—
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Bryer, Robert G., to R. A. Stephen and Co. Ltd. Radiation sensitive devices 3,404,272, 10–1–68, Cl 250—83.
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Bryner, Ernest J., and J. N. Ianuzzi, to Sigma Engineering Service, Inc. Cap and lead construction for electrical components. 3,404,370, 10–1–68, Cl. 339—256.
Bryner, Fred, to The Dow Chemical Co. Phenolic resin adhesive extended with partially carbonized cellulosic material. 3,373,124, 3–12–68, Cl. 260—17.2.
Brynko, Carl, to Xerox Corp. Solvent capsule fixing of powder images. 3,386,822, 6–4–68, Cl. 96—1.4.
Brynko, Carl, and J. A. Bakna, to The National Cash Register Co. Process for making case-hardened capsules and its capsule product. 3,401,123, 9–10–68, Cl. 252—316.
Bryson, H. Knox, A. B. Castle, and M. A. Juten, said A. B. Castle and said H. K. Bryson assors. to L. A. Bryson. Door holders and stops. 3,415,561, 12–10–68, Cl. 292—341.19.
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Bryson, Robert A., and R. B. Hawkes, to T. W. & C. B. Sheridan Co. Machine and method for transferring an article from one apparatus to another. 3,399,755, 9–3–68, Cl. 198—34.
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Trask, Brenda J., and Brysson. 3,404,028.
Brzeska, Henry G., to Sensor Corp. System for automatically sequentially signaling plural different alarm messages to different telephone subscribers. 3,407,269, 10–22–68, Cl. 179—5.
Brzezinski, Alex M., to Bell Telephone Laboratories, Inc. Prevention of dialing by a telephone switchhook. 3,365,554. 1–23–68, Cl. 179—168.
Brzezinski, Donald E., and R. L. Watts, to Wehr Corp. Magnetic circuit. 3,365,599, 1–23–68, Cl. 210—222.
Brzozowski, Wojciech, and J. Reda. Plasma generator utilizing a ribbon-shaped stream of gas. 3,375,392, 3–26–68, Cl. 313—231.
Bschorr, Oskar, and J. F. Neumair, to Entwicklungsring Sud G.m.b.H. Shock wave generator. 3,416,628, 12–17–68, Cl. 181—.5.
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Bub, Robert A., to Mine Safety Appliances Co. Filter testing system and method. 3,395,514, 8–6–68, Cl. 55—97.

Bub, Robert A., to Mine Safety Appliances Co. Filter formed from corrugated and flat sheets. 3,401,803, 9–17–68, Cl. 210—488.

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Bubber, Heinz, to International Standard Electric Corp. Method and circuit arrangement for central supervision of time measuring circuits of several functional units in telecommunications, particularly telephone exchange systems. 3,400,228, 9–3–68, Cl. 179—175.2.

Bublitz, Arthur T.: *See*—
Argyle, Leroy C., and Bublitz. 3,407,055.

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Bublitz, Donald E., to The Dow Chemical Co. Process for the reduction of thiolesters to sulfides. 3,394,157, 7–23–68, Cl. 260—439.

Bublitz, Donald E., and G. H. Harris, to The Dow Chemical Co. Thiolcarboxylate esters of cyclopentadienyl metals. 3,387,009, 6–4–68, Cl. 260—429.

Buccicone, Dario, to Buccicone Engineering Co., Inc. Sheet piling machine with scissors-type lift. 3,369,675, 2–20–68, Cl. 214—6.

Buccicone, Dario, to Buccicone Engineering Co., Inc. Sheet piler with stagger piling mechanism. 3,369,806, 2–20–68, Cl. 271—68.

Buccione, Dario, to Buccicone Engineering Co., Inc. Sheet handling machine. 3,395,914, 8–6–68, Cl. 271—68.

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Buccicone, Dario. 3,369,806.
Buccicone, Dario. 3,395,914.

Buccino, Gaetano S.: *See*—
Granowitz, Jack M., and Buccino. 3,376,973.

Buch, Roman, L. L. Kocsis, to Zenith Radio Corp. Gate electrode controlled battery charger circuit. 3,405,341, 10–8–68, Cl. 320—33.

Buchalla, Arthur, and M. Uschkoreit, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process and device for laying down continuous spinning cables. 3,371,597, 3–5–68, Cl. 100—80.

Buchanan, James B., to E. I. du Pont de Nemours and Co. Preparation of S-alkyl thiolhydroxamate esters. 3,374,260, 3–19–68, Cl. 260—453.

Buchanan, James B., to E. I. du Pont de Nemours and Co. Mixtures of EPN and hydroxamate carbamates. 3,414,652, 12–3–68, Cl. 424—218.

Buchanan, James B., and W. A. Gregory, to E. I. du Pont de Nemours and Co. p-(Trichloromethylthio)benzaldehyde. 3,387,037, 6–4–68, Cl. 260—599.

Buchanan, James L., and W. B. Zelina, to General Systems Inc. Instrument-type transformers for unidirectional current circuits. 3,396,338, 8–6–68, Cl. 324—117.

Buchanan, John D. Deflectable rotary mower blade. 3,399,519, 9–3–68, Cl. 56—295.

Buchanan, Richard G., and F. Spinuzza, to Tel Life Corp. Hydraulic clutch wear warning device. 3,406,800, 10–22–68, Cl. 192—91.

Buchanan, William E., and S. C. Jellum, to North American Rockwell Corp. Profit analysis computer. 3,406,281, 10–15–68, Cl. 235—193.

Buchanan, William G., to The Gleason Works. Machine tool drive mechanism. 3,381,578, 5–7–68, Cl. 90—9.

Buchanan, William T., and C. R. Hedenstad, to Nalco Chemical Co. Process for manufacturing phosphoric acid. 3,397,956, 8–20–68, Cl. 23—165.

Buchanan, William V., and R. D. Murir. Changeable display device. 3,387,397, 6–11–68, Cl. 40—140.

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Buchbinder, Henry M., and R. J. Winsler, to Ardco, Inc. Shelving units with rolling shelves. 3,399,784, 9–3–68, Cl. 211—151.

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Bucher, Horst: *See*—
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Bucher, Robert, to Sulzer Bros. Ltd. Weft thread supply apparatus for looms. 3,411,547, 11–19–68, Cl. 139—122.

Bucher, Rudolf. Stabilizing system for aircraft. 3,380,689, 4–30–68, Cl. 244—39.

Buchheit, Otto K., to Verwaltungsgesellschaft Moeller and Neumann offene Handelsgeselischaft. Tongs turner for rolled material. 3,401,805, 9–17–68, Cl. 214—1.

Buchheit, Otto K., to Verwaltungsgesellschaft Moeller und Neumann offene Handelsgesellschaft. Hydraulic forming or injection press for molding synthetic materials. 3,418,689, 12–31–68, Cl. 18—16.

Buchheit, Paul: *See*—
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Buchhold, Theodor A., to General Electric Co. Thin wire power cryotrons. 3,394,335, 7–23–68, Cl. 338—32.

Buchholz, Arnold R., A. J. Krause, and G. V. Johnson, to Brandt Automatic Cashier Co. Predetermined count means for paper currency counter. 3,413,451, 11–26–68, Cl. 235—92.

Buchholz, Bernard, and I. C. Popoff, to Pennsalt Chemicals Corp. Process for plant desiccation. 3,418,101, 12–24–68, Cl. 71—72.

Buchholz, Kent E. Apparatus for forming plastic sheet material. 3,388,428, 6–18–68, Cl. 18—19.

Buchi, Gordon J. P., and D. Griffiths, to The English Electric Co. Ltd. Hot rolling process for making grain oriented silicon iron sheet. 3,413,165, 11–26–68, Cl. 148—111.

Buchler, Daniel B.: *See*—
Burdett, Malcolm H., and Buchler. 3,368,025.

Buchler Instruments, Inc.: *See*—
Buchler, Joseph. 3,375,187.

Buchler, Joseph, to Buchler Instruments, Inc. Apparatus for temperature controlled preparative and analytical electrophoresis. 3,375,187, 3–26–68, Cl. 204—301.

Buchman, Maurice J., to Railroad Machinery Development Corp. Method and apparatus for weighing railroad cars. 3,367,432, 2–6–68, Cl. 177—17.

Buchmann, Fred J.: *See*—
Parker, Paul T., and Buchmann. 3,397,174.

Buchmann, Fred J., R. B. Mason, and G. P. Hammer, to Esso Research and Engineering Co. Single reactor hydrocracking process with mixed nonnoble metal catalyst for full boiling raw feed. 3,394,074, 7–23–68, Cl. 208—111.

Buchmann, Louis J., to Aquionics Corp. Automatic water softening apparatus. 3,374,891, 3–26–68, Cl. 210—126.

Buchmiller, Earl P.: *See*—
Gwinn, M. Benjamin, and Buchmiller. 3,391,839.
Gwinn, M. Benjamin, and Buchmiller. 3,406,611.

Buchner, Erich: *See*—
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Buchner, Marvin K., to FMC Corp. Method for splitting and pitting fruit. 3,363,657, 1–16–68, Cl. 146—238.

Buchner, Marvin K., to FMC Corp. Method of and apparatus for preparing fruit. 3,396,770, 8–13–68, Cl. 146—241.

Buchner, Norbert, and R. Kohnlein, to Firma Fr. Hesser Maschinenfabrik A.G. Container, particularly for liquids with a deep drawn metal foil cover. 3,406,891, 10–22–68, Cl. 229—3.5.

Buchowski, Roman, and L. L. Kocsis, to Zenith Radio Corp. Discharge circuit for a defibrillator. 3,389,704, 6–25–68, Cl. 128—419.

Buchroeder, Richard A., and G. F. Ziegler, to Bausch & Lomb Inc. Four-component symmetrical projection objective. 3,418,038, 12–24–68, Cl. 350—209.

Buchser, William J. Engine accessory. 3,371,657, 3–5–68, Cl. 123—187.5.

Buchser, William J., to Whirlpool Corp. Adjustable water level control for ice maker. 3,396,552, 8–13–68, Cl. 62—233.

Buchsieh, Louis D. Table game simulating a football contest. 3,414,263, 12–3–68, Cl. 273—94.

Buchwald, Robert M., to General Motors Corp. Compact speed change drive. 3,361,000, 1–2–68, Cl. 74—219.

Buchwald, Robert M., to General Motors Corp. Universally indexing lock means. 3,400,956, 9–10–68, Cl. 287—53.

Buchwald, Robert M., to General Motors Corp. Valve gear with rocker arm guide means. 3,407,792, 10–29–68, Cl. 123—90.

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Bucil, Frantisek: *See*—
Fajt, Ludvik, and Bucil. 3,381,463.

Buck, Daniel C., to Westinghouse Electric Corp. Traveling wave tube having means for removing slow electrons from electron beam. 3,398,314, 8–20–68, Cl. 315—3.5.

Buck, Daniel C., to Westinghouse Electric Corp. Undulating, slow wave structure for an electron discharge device. 3,413,512, 11–26–68, Cl. 315—3.5.

Buck, Donald J., to Fabri-Tek Inc. Component sizing gates. 3,387,705, 6–11–68, Cl. 209—75.

Buck, Fred H., Jr. Deodorant and germicidal bodies for toilets and urinals. 3,378,495, 4–16–68, Cl. 252—107.

Buck, Immanuel. Chamber pot. 3,401,408, 9–17–68, Cl. 4—141.

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Fraenkel, Stephen J., Adams, Buck, and Catalano. 3,365,825.

Buck, James R., to Buck Tool Co. Expandable mandrel. 3,362,721, 1–9–68, Cl. 279—2.

Buck, John A., and F. D. Taylor, to The Black Clawson Co. Pulper. 3,417,933, 12–24–68, Cl. 241—280.

Buck, Keith E., to United States of America, Atomic Energy Commission. Radioisotope heat source with overheat protection. 3,377,993, 4–16–68, Cl. 122—32.

Buck, Norman R. Soldering device. 3,395,847, 8–6–68, Cl. 228—53.

Buck, Norton B.: *See*—
Henderson, Martin C., and Buck. 3,364,479.
Buck, Ollie G.: *See*—
Sonnenfeld, Richard J., and Buck. 3,867,922.
Uraneck, Carl A., and Buck. 3,386,973.
Buck, Ollie G., and G. R. Kahle, to Phillips Petroleum Co. Prevention of cold flow in polybutadienes by the addition of a halogenated alkene to the polymerization mixture at the completion of the polymerization. 3,376,279, 4–2–68, Cl. 260—94.3.
Buck, Richard D. Corrosion resistant carrier roller for belt conveyors. 3,416,638, 12–17–68, Cl. 193—37.
Buck, Roy R.: *See*—
Borer, Herbert W., and Buck. 3,389,820.
Buck, Royce P., to Northern Petrochemical Co.—Varney Division. Composition for reconstituting frozen aqueous systems and method for making. 3,364,142, 1–16–68, Cl. 252—8.8.
Buck, Russell E., to Buck Tool Co. Mechanical device. 3,413,-010, 11–26–68, Cl. 279—121.
Buck, Sadie. Non-tipping drinking glass coaster. 3,393,892, 7–23–68, Cl. 248—346.1.
Buck, Thomas M., M. H. Crowell, and E. I. Gordon, to Bell Telephone Laboratories, Inc. Target structure storage device using diode array. 3,408,284, 9–24–68, Cl. 315—11.
Buck Tool Co.: *See*—
Buck, James R. 3,362,721.
Buck, Russell E. 3,413,010.
Buck, Vincent A., and E. G. Nagle, to Allen Industries, Inc. Combination seat belt and upper torso restraint. 3,371,942, 3–5–68, Cl. 280—150.
Buck, Willard E. Hysteresis synchronous motor and improved shaft sub-assembly therefor. 3,400,285, 9–3–68, Cl. 310—90.
Buck, Willard E., ⅙ to Fundamental Research Co. Apparatus for conserving energy in high pressure chemical reactors. 3,407,044, 10–22–68, Cl. 23—252.
Buck, Willard E., and T. E. Holland, to Beckman & Whitney, Inc. Illumination and shuttering in high speed photography. 3,366,439, 1–30–68, Cl. 352—84.
Buck, Willard E., and R. J. Sherman, to Technical Operations, Inc. High speed facsimile method and apparatus. 3,370,504, 2–27–68, Cl. 88—24.
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Frantzen, John J. 3,385,778.
Frantzen, John J. 3,401,860.
Mears, Norman B. 3,376,451.
Mears, Norman B. 3,385,745.
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Toensing, James W. 3,373,912.
Toensing, James W. 3,392,652.
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Durso, Donald F., Parks, and Goode. 3,393,262.
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Buckeye Molding Co.: *See*—
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Carle, Ross G. 3,369,674.
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Buckholz, Ernest J., and F. S. Lee. Sanitary equipment. 3,384,224, 5–21–68, Cl. 206—57.
Buckholz, Ronald, to Mailmen Inc. Detection system for sheets of paper or the like. 3,371,331, 2–27–68, Cl. 340—259.
Buckholz, Ronald J., to Designed Mailing Accessories, Inc. Imprinting attachment for labeling machine. 3,411,443, 11–19–68, Cl. 101—232.
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Buckingham, Robert O., to Chicago Aerial Industries Inc. Strip transport system. 3,412,668, 11–26–68, Cl. 95—94.
Buckler, Sheldon A., and F. J. Germino, to American Machine & Foundry Co. Amylose film. 3,398,015, 8–20–68, Cl. 117—118.
Buckley, Donald H., and R. L. Johnson, to United States of America, National Aeronautics and Space Administration. Metallic film diffusion for boundary lubrication. 3,391,080, 7–2–68, Cl. 252—26.
Buckley, Edward Z., and N. Plantus, to The Udylite Corp. Work transfer mechanism. 3,364,873, 1–23–68, Cl. 104—96.
Buckley, Francis T., G. R. Mason, and R. F. Riek, to Monsanto Co., and Mobay Chemical Co. Laminated safety glass. 3,388,033, 6–11–68, Cl. 161—183.
Buckley, Francis T., and W. Hing, to Monsanto Co. Apparatus for producing partially pigmented plastic sheets. 3,405,425, 10–15–68, Cl. 18—13.
Buckley, Frederick H., and J. D. Langyel, to Garlock Inc. Replaceable substantially rigid fluorocarbon resin valve unit for use in butterfly valves. 3,376,014, 4–2–68, Cl. 251—306.
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Bucklisch, Ludwig, and L. Volpert, to Dynamit Nobel Aktiengesellschaft. Pressure control device. 3,380,344, 4–30–68, Cl. 89—14.
Buckman, Kenneth E., to General Motors Corp. Filter unit having co-axial filter elements. 3,361,260, 1–2–68, Cl. 210—130.
Buckman, Kenneth E., and R. A. Cross, to General Motors Corp. Liquid filter units. 3,367,508, 2–6–68, Cl. 210—457.
Buckman, Walter R., and W. R. Clemmons, to Allied Chemical Corp. Distillation of an azeotropic mixture of CF_3COCF_3, HF and CCl_2FCClF_2. 3,406,099, 10–15–68, Cl. 203—50.
Buckminster, Lloyd A., and R. R. Hines, to Textron, Inc. Lens marking device. 3,368,285, 2–13–68, Cl. 33—174.
Bucknell, Ernest H.: *See*—
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Bucknell, Ernest H., and I. A. Ward, to Modern Faucet Mfg. Co. Anti-siphon diverter unit. 3,376,884, 4–9–68, Cl. 137—119.
Bucknell, Ernest H., and I. A. Ward, assors. of 10% to estate of R. E. Bletcher, deceased, 5% to F. Robertson, 5% to G. Robertson, 10% to L. Bucknell, 10% to R. H. Bletcher, 10% to D. G. Liston, 5% to D. G. Liston as trustee for D. E. Liston, 5% to D. G. Liston as trustee for C. A. Liston, 5% to J. H. Liston, 10% to H. Brondum, 10% to P. Bletcher, 5% to M. Liston, and 10% to E. H. Bucknell. Coaxial control valve. 3,415,279, 12–10–68, Cl. 137—625.17.
Bucknell, Ernest H., and I. A. Ward, assors. of 10% to estate of R. E. Bletcher, deceased, 5% to F. Robertson, 5% to G. Robertson 10% to L. Bucknell, 10% to R. H. Bletcher, 10% to D. G. Liston, 5% to D. G. Liston as trustee for D. E. Liston, 5% to C. A. Liston, 5% to J. H. Liston, 10% to H. Brondum, 10% to P. Bletcher, 5% to M. Liston, and 10% to E. H. Bucknell. Control valve. 3,415,280, 12–10–68, Cl. 137—625.17.
Bucknell, Ernest H., J. K. Rauh, and I. A. Ward, assors. of 10% to estate of R. E. Bletcher, deceased, 5% to F. Robertson, 5% to G. Robertson, 10% to L. Bucknell, 10% to R. J. Bletcher, 10% to D G. Liston, 5% to D. G. Liston as trustee for C. A. Liston, 5% to J. H. Liston, 10% to H. Brondum, 10% to P. Bletcher, 5% to M. Liston, 10% to E. H. Bucknell, and 5% to D. G. Liston as trustee for D. E. Liston. Spray valve. 3,415,454, 12–10–68, Cl. 239—562.
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Bucknell, Ernest H., and Ward. 3,415,280.
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Buckner, Wilbur G., to The Deutsch Co. Metal Components Division. Attaching device. 3,418,010, 12–24–68, Cl. 285—92.
Bucko, Edward P. Crate for shipping glass and like frangible materials. 3,403,777, 10–1–68, Cl. 206—62.
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Pulcrano, Frank C., and Buckthorpe. 3,389,664.
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Bucourt, Robert, G. Costerousse, G. Nomine, A. Pierdet, and J. Tessier, to Roussel-UCLAF. Process for the preparation of steroid derivatives of the pregnane series. 3,383,385, 5–14–68, Cl. 260—239.57.
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Grider, Lyle D. 3,875,021.
Kordik, Kenneth S. 3,383,576.
Kordik, Kenneth S., and Zaumseil. 3,393,642.
Kraschnewski, Melvin W., and Learmont. 3,375,892.
Learmont, Tom, and Willgrubs. 3,375,943.
Mork, George W. 3,365,077.
Mork, George W. 3,399,785.
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Mork, George W., and Peters. 3,862,022.
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Buczak, Edwin J., to Parker Metal Goods Co. Cart handle having a printed legend thereon. 3,418,739, 12–31–68, Cl. 40—308.
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Cooper, William C. 3,388,812.
Cooper, William C. 3,414,703.
Cooper, William C., and Nelson. 3,379,048.
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Dean, Albert G. 3,361,087.
Dean, Albert G. 3,366,203.
Dean, Albert G. 3,415,168.
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Eggert, Walter S., Jr., and Wessells. 3,419,303.
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Kolt, Erwin B. 3,400,182.
Lair, Wilbert M., and Taylor. 3,414,516.
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Budd, John M., Jr., to Honeywell Inc. Voltage control apparatus. 3,398,354, 8–20–68, Cl. 323—6.

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Budd, Larry J., to Pallet Devices, Inc. Deck pallet and method of making same. 3,361,092, 1–2–68, Cl. 108—58.

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Budde, Paul B., and H. Tolkmith, to The Dow Chemical Co. Phosphonamidothioate compound. 3,399,210, 8–27–68, Cl. 260—309.

Budde, Walter M., Jr., and W. H. French, to Ashland Oil & Refining Co Epoxidation process. 3,404,163, 10–1–68, Cl. 260—348.5.

Budde, Walter M., Jr., and J. W. Sigan, to Ashland Oil & Refining Co Acid salt of ethers diamines. 3,404,165, 10–1–68, Cl. 260—404.5.

Budde, Wolfgang. Remote vehicle control. 3,373,957, 3–19–68, Cl. 244—75.

Buddecke, Albert O. L. J. Plastic graft material and method of making same. 3,400,719, 9–10–68, Cl. 128—334.

Buddecke, Charles L., W. E. Meyer, and R. S. Stites, to North American Rockwell Corp. Image projection device. 3,396,305, 8–6–68, Cl. 315—12.

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Budts, Lucien, to Thomson Automatismes. Logical circuits. 3,411,022, 11–12–68, Cl. 307—28.

Budzich, Mieczyslaw, and W. W. Cunningham, Jr., to Western Electric Co., Inc. Apparatus for making communications plugs. 3,371,377, 3–5–68, Cl. 18—5.

Budzich, Tadeusz: *See*—
Thompson, Jack, Bahniuk, and Budzich. 3,394,545.

Budzich, Tadeusz. Tractor driving effort responsive to pulled load. 3,374,847, 3–26–68, Cl. 180—14.

Budzich, Tadeusz. Energy storing mechanism for power drive. 3,387,683, 6–11–68, Cl. 180—66.

Budzinski, Daniel M., and J. E. Grenier, to Lodding Engineering Corp. Doctor blades having spring buttons. 3,377,644, 4–16–68, Cl. 15—236.

Budzyna, Joseph M., and R. H. Mucclarone, to J. D. Marshall, and H. L. Bomar. Loom protector mechanism. 3,404,709, 10–8–68, Cl. 139—346.

Bue, Richard C., to Sico, Inc. Seat mounting structure. 3,411,823, 11–19–68, Cl. 297—349.

Buecheler, Paul, to Sandoz Ltd. (also known as Sandoz A.G.). Process for the dyeing, padding and printing of textile materials with anthraquinone dyes. 3,418,064, 12–24–68, Cl. 8—39.

Buecheler, Paul, to Sandoz Ltd. (also known as Sandoz A.G.). Anthraquinone dyes. 3,418,342, 12–24–68, Cl. 260—377.

Buechler, Lester W., to Allis-Chalmers Mfg. Co. Electrolytic method for producing oxygen and hydrogen. 3,410,770, 11–12–68, Cl. 204—129.

Buechner, Werner W. Photographic treating vessel. 3,362,315, 1–9–68, Cl. 95—96.

Buechner, Werner W. Photographic wash vessel. 3,373,674, 3,19–68, Cl. 95—97.

Buechner, Werner W. Carrier for photographic materials. 3,405,628, 10–15–68, Cl. 95—100.

Buechner, Werner W. Cylindrical carrier for photographic sheet materials. 3,411,424, 11–19–68, Cl. 95—100.

Buehl, Walter M., and J. H. Cowan, Jr., to Corning Glass Works. Method of reducing reboil in molten glass. 3,387,961, 6–11–68, Cl. 65—32.

Buehler, Adolph A.: *See*—
Alaburda, Raymond D., Beam, Buehler, and Rudy. 3,368,363.

Buehler, Allan M. Door operators. 3,389,740, 6–25–68, Cl. 160—188.

Buehler, Alois A., and E. H. Kurt, to Ingersoll-Rand Co. Hydraulic-pneumatic impact device. 3,415,328, 12–10–68, Cl. 173—105.

Buehler, Arthur, and H. U. Schuetz, to Ciba Ltd. 1-(amino and hydroxy)-4-anilino-3'-sulfo-anthraquinones substituted with a fiber reactive group at 4'-position. 3,365,472, 1–23–68, Cl. 260—372.

Buehler, Arthur, and G. Hoelzle, to Ciba Ltd. Anthraquinone dyestuffs. 3,415,825, 12–10–68, Cl. 260—249.

Buehler, Ervin R., to General Motors Corp. Stop-on signal tuner for combined AM-FM receivers. 3,374,438, 3–19–68, Cl. 325—470.

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Buehler, William J.: *See*—
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Buehler, William J., and D. M. Goldstein, to United States of America, Navy. Conversion of heat energy to mechanical energy. 3,403,238, 9–24–68, Cl. 337—393.

Bueler, Richard C., to Tung-Sol Electric Inc. Multi-position control valve. 3,366,142, 1–30–68, Cl. 137—627.5.

Bueler, Richard C., to Wagner Electric Corp. Multi-position control valve. 3,371,686, 3–5–68, Cl. 137—627.5.

Bueler, Richard C., to W Liquidating Corp. Control valve. 3,394,968, 7–30–68, Cl. 303—68.

Bueler, Richard C., to Wagner Electric Corp. Application valve. 3,395,944, 8–6–68, Cl. 303—52.

Bueler, Richard C., to Wagner Electric Corp. Control valve. 3,419,315, 12–31–68, Cl. 303—71.

Buell, Bennett G., to American Cyanamid Co. Composition for treating and brightening cellulose fibers. 3,382,200, 5–7–68, Cl. 260—29.4.

Buell Engineering Co., Inc.: *See*—
Beuzeval, Douglas R. 3,397,780.
Mylting, Lauritz E. 3,369,677.
Mylting, Lauritz E. 3,371,917.

Buell, Halsey W., and R. E. Blair, to The Carborundum Co. Abrasive coated products. 3,387,955, 6–11–68, Cl. 51—295.

Buell, Heinz, to General Precision Systems Inc. Apparatus for calibrating doppler-inertial navigational systems. 3,414,899, 12–3–68, Cl. 343—9.

Buensod-Stacey Corp.: *See*—
Smith, William E., Waterfill, and Warren. 3,394,769.
Warren, Robert M., Jr. 3,367,407.
Warren, Robert M., Jr. 3,409,043.
Warren, Robert M., Jr., and Kornhauser. 3,395,633.

Buergel, Georg K.: *See*—
Best, Howard S., and Buergel. 3,384,236.

Buerki, Christian E.: *See*—
Rawald, Kenneth E., and Buerki. 3,384,067.

Buerki, Christian E., and K. E. Rawald, to Norris-Thermador Corp. Self-cleaning oven. 3,387,601, 6–11–68, Cl. 126—21.

Buerman, Edward M., to Buerman Fish Products Co. Process for breaking down skin tissue of dogfish. 3,383,216, 5–14–68, Cl. 99—7.
Buerman Fish Products Co.: *See*—
Buerman, Edward M. 3,383,216.
Bues, Curt, H.-A. Grazin, G. Pfleiderer, and H. Anger, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process of lubricating and sealing roller bearings and articles made from the process. 3,414,084, 12–3–68, Cl. 184—1.
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Buetow, Ralph W., ½ to K. Schoff. Solvent extraction method for removing salt from water. 3,415,744, 12–10–68, Cl. 210—22.
Buetow, Ralph W., ½ to K. Schoff. Method for extracting salt from sea water. 3,415,746, 12–10–68, Cl. 210—39.
Buetow, Richard C.: *See*—
Jahns, Kenneth V., and Buetow. 3,400,219.
Buffalo Forge Co.: *See*—
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Schroeter, Joachim W. 3,402,879.
Buffington, Henry C.: *See*—
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Buffington, James F. Rotary phase converter system. 3,387,-202, 6–4–68, Cl. 321—55.
Buffington, Larry J. Sectional tray. 3,384,260, 5–21–68, Cl. 220—17.
Buford, Charles G., and W. E. Power actuated dispensing valve. 3,403,826, 10–1–68, Cl. 222—334.
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Buford, Charles G., and W. E. 3,403,826.
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Bugan, Anton. Concrete reinforcing bars with deep alveoli. 3,378,985, 4–23–68, Cl. 52—739.
Bugaut, Andrée, and G. Ghilardi, to L'Oreal. Substituted paradiamino-anisole and its use for dyeing human hair and keratinic fibers. 3,413,073, 11–26–68, Cl. 8—11.
Buge, Kurt: *See*—
Jakel, Werner, and Buge. 3,385,543.
Bugel, Thomas E.: *See*—
Barth, Bruce P., Bugel, and Hale. 3,375,297.
Bugel, Thomas E., and W. H. Joyce, to Union Carbide Corp. Moldable laminates of metal and plastics. 3,382,136, 5–7–68, Cl. 161—165.
Bugg, Kenly C., to Kendrick Mfg. Co. Rotary electrical contact assembly. Re. 26,489, 10–22–68, Cl. 200—166.
Bugg, Kenly C., to Kendick Mfg. Co., Inc. Anti-backlash frictional drive. 3,364,760, 1–23–68, Cl. 74—206.
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Paape, Kenneth L., and Bugni. 3,392,593.
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Buhl, Frank C., to Hercules Inc. Process of dewatering a concentrated sewage slurry. 3,414,514, 12–3–68, Cl. 210—54.
Buhl, Frank C., and R. D. Lees, to Hercules Inc. Process of treating a digested diluted sewage slurry. 3,414,513, 12–3–68, Cl. 210—54.
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Rohner, Arthur. 3,369,662.
Buhler, Karl. Channel shaped insert for embedment in concrete. 3,375,623, 4–2–68, Cl. 52—97.
Bühler, Karl, and H. Tracheel, to Aktiengesellschaft Brown, Boveri & Cie. Tap-changing device for transformers having load current diverter means and improved hydraulic follower mechanism therefor. 3,374,320, 3–19–68, Cl. 200—18.
Buhler, Markus. Deep-boring apparatus incorporating an electrical boring unit. 3,389,758, 6–25–68, Cl. 175—104.
Buhler, Rolf D., to Giannini Scientific Corp. Plasma generating apparatus having an arc restricting region. 3,361,927, 1–2–68, Cl. 315—111.
Buhr, August G., deceased, by M. E. Buhr, executrix, to Allis-Chalmers Mfg. Co. Rotary cultivator wheel. 3,381,759, 5–7–68, Cl. 172—540.
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Taylor, Donald M., and Buker. 3,394,516.
Buketon, Evnei A., and M. Z. Ugorets, to Khimiko-Metallurgichesky Institute An Kaz S.S.R. Method for extracting selenious oxide from gas mixtures. 3,390,952, 7–2–68, Cl. 23—2.
Bukovich, George D., and D. W. Olsen. Tape handler apparatus. 3,384,317, 5–21–68, Cl. 242—55.12.
Bulbenko, George F., and S. W. Osborn, to Thiokol Chemical Corp. Fluid and mold resistant cellulosic materials and process therefor. 3,382,094, 5–7–68, Cl. 117—138.5.
Bulbenko, George F., R. H. Gobran, and E. A. Blommers, to Thiokol Chemical Corp. Triadduct of alkylenimine with 2,6-bis (2,3-epoxypropyl) phenyl glycidyl ether. 3,405,121, 10–8–68, Cl. 260—239.
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Bulin, Shelly A., to J. I. Case Co. Reel drive mechanism. 3,380,313, 4–30–68, Cl. 74—227.
Bull, Donald E., to Webcor, Inc. Speed regulating system including a rectifier bridge with a controlled rectifier connected from its poles. 3,378,748, 4–16–68, Cl. 318—345.
Bull Glen C. Dispensing container with compressed mass discharging means. Re. 26,488. 11–12–68, Cl. 222—263.
Bull, Hendrix R., to Rheem Mfg. Co. Emulsion treater tank. 3,389,536, 6–25–68, Cl. 55—174.
Bull, Hugh L. Dual column gas chromatography apparatus. 3,400,264, 9–3–68, Cl. 250—43.5.
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Louth, Noel. 3,37,1381.
Bull, Rame W., W. C. Ring, and R. B. Schrecongost, to Hammond Corp. Organ portamento system. 3,376,776, 4–9–68, Cl. 84—1.24.
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Bullard, Edward P., III. 3,372,622.
Bullard, Edward P., III and E. P. Bullard IV. 3,400,313.
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Bullard, E. D., Co.: *See*—
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Raschke, Herbert A. 3,368,250.
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Bullard, Edward P., III, to The Bullard Co. Quick-change chuck jaw. 3,366,393, 1–30–68, Cl. 279—111.
Bullard, Edward P., III, to The Bullard Co. Multiple pressure responsive control apparatus. 3,372,622, 3–12–68, Cl. 92—5.
Bullard, Edward P., III, and A. A. Tomenceak, to The Bullard Co. Multiple turret head indexing apparatus. 3,365,989, 1–30–68, Cl. 82—3.
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Deprez, Charles, Bulte, and Crabbe. 3,361,654.

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Bunin, Donald S., F. J. Kelso, and R. A. Olson, to FMC Corp. Phosphoric acid purification. 3,410,656, 11–12–68, Cl. 23—165.

Buning, Robert, to Dynamit Nobel Aktiengesellschaft. Process for the manufacture of water-insoluble polysulfonic acids on the basis of acrolein polymers and copolymers. 3,379,688, 4–23–68, Cl. 260—67.

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Bunnell, Royand J., to General Motors Corp. Ice ejector tray and bucket. 3,371,905, 3–5–68, Cl. 249—69.

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Bunting, William W., Jr., and T. L. Nelson, to E. I. du Pont de Nemours and Co. Apparatus for interlacing multifilament yarn. 3,364,537, 1–23–68, Cl. 28—1.

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Burch, Andrew E. Yielding and indicating caliper. 3,407,504, 10–29–68, Cl. 33—148.

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Burch, Byron F., Jr., and W. W. Bradshaw, Jr., to General Electric Co. High speed printer system including recirculating data and address registers. 3,377,622, 4–9–68, Cl. 340—172.5.

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Burch, Charles J., to United States Steel Corp. Method and apparatus for granulating slag. 3,395,995, 8–6–68, Cl. 65—19.

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Burness, Donald M., to Eastman Kodak Co. Gelatin silver halide photographic emulsions containing polyfunctional aziridinyl compounds. 3,392,024, 7–9–68, Cl. 96—111.

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Burns, Joel A. Rotary-inertia locking seat belt retractor. 3,369,769, 2–20–68, Cl. 242—107.4.

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Nava, Joseph A., Shearer, and Burton. 3,383,644.

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Butaev, Filipp I., N. S. Klimov, A. A. Pertsev, N. P. Stepanov, A. M. Shemaev, and I. D. Shkolin. High-voltage mercury-arc rectifier. 3,416,018, 12–10–68, Cl. 313—30.

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Butler, Jesse L. Microwave transmission line apparatus having flexibly connected displaceable conductor. 3,388,350, 6–11–68, Cl. 333—10.

Butler, John A., and J. J. Vance, to Hoffmann-La Roche Inc. Repeat action pharmaceutical compositions in the form of discrete beadlets. 3,365,365, 1–23–68, Cl. 167—82.

Butler, John L., to General Instrument Corp. Directional transducer. 3,378,814, 4–16–68, Cl. 340—8.

Butler, John M., and T. A. Roble, to Sylvania Electric Products Inc. Method of making lightweight horn antenna. 3,395,059, 7–30–68, Cl. 156—78.

Butler, Kenneth, to Chas. Pfizer & Co., Inc. 1-lower alkylsulfonylalkyl-2-lower alkyl-5 nitroimidazoles. 3,376,311, 4–2–68, Cl. 260—309.

Butler, Kenneth, to Chas. Pfizer & Co., Inc. Metal chelates of substituted bis-thiosemi-carbazones of cyclic 1,2-diketones. 3,382,266, 5–7–68, Cl. 260—438.1.

Butler Mfg. Co.: *See*—
Collins, Richard V., Hughes, Cook, and Sanders. 3,365,813.
Snyder, Marvin K., Bradley, and Cowie. 3,415,027.

Butler, Matthew J., W. F. Zaayenga, and A. Zarin, to United States of America, Army. Rectangular to polar coordinate converter system. 3,364,483, 1–16–68, Cl. 343—7.

Butler, Maurice H. Boat Controllers. 3,386,308, 6–4–68, Cl. 74—480.

Butler National Corp.: *See*—
Perkins, Earl S., and Anthony. 3,414,901.

Butler, Otto D. Shower-shaver. 3,373,448, 3–19–68, Cl. 4—1.

Butler, Richard A.: *See*—
Karlovsky, Jerry, Jr., and Butler. 3,408,110.

Butler, Richard A., A. H. Haller, and R. Perera, to British Sterilizer Co., Ltd. Power-operated doors. 3,386,203, 6–4–68, Cl. 49—210.

Butler, Richard A., Jr.: *See*—
Hulka, Jaroslav G., Butler, and Burke. 3,407,806.

Butler, Richard A., Jr., E. P. Ziedelis, and R. T. Martin, to R. A. Butler, Jr. Apparatus for controlling the unwinding of web. 3,414,208, 12–3–68, Cl. 242—58.1.

Butler, Richard G., to Kendor Distributors Ltd. Multi-chambered tool holder. 3,405,749, 10–15–68, Cl. 145—63.

Butler, Richard K., to Machinecraft. Drafting mechanism. 3,380,126, 4–30–68, Cl. 19—267.

Butler, Roger M.: *See*—
Eng, Jackson, and Butler. 3,394,199.

Butler, Roger M., J. Bumbulis, and L. B. Simpson, to Esso Research and Engineering Co. Ice protective sleeve for pilings. 3,870,432, 2–27–68, Cl. 61—54.

Butler, Roger M., and L. B. Simpson. Separation of isophthalonitrile and terephthalonitrile mixtures by treatment with dimethyl formamide or methyl isobutyl ketone. 3,406,193, 10–15–68. Cl. 260—465.

Butler, Russell L., to The Dow Chemical Co., Package for elongate objects and method of packaging elongate objects 3,371,775, 3–5–68, Cl. 206—56.

Butler, Russell L., to The Dow Chemical Co. Tobacco pouch. 3,387,640, 6–11–68, Cl. 150—7.

Butler, Stanley, and D. L. L. Marsh. Rapid fire popgun. 3,365,837, 1–30–68, Cl. 46—174.

Butler, Stanley C., and D. L. L. Marsh. Noise making repeating water gun. 3,365,838, 1–30–68, Cl. 46—175.

Butler, Stanley C., and D. L. L. Marsh. Single shot popgun. 3,391,486, 7–9–68, Cl. 46—175.

Butler, Stedman M. Oil filter cleaner. 3,413,988, 12–3–68, Cl. 134—102.

Butler, Thomas A., to The Lubrizol Corp. Metal salts of mixed phosphorothioic and phosphinothioic acids. 3,376,221, 4–2–68, Cl. 252—32.7.

Butler, Thomas A., and H. F. Wiese, to The Lubrizol Corp. Lubricants containing reaction product of a metal phosphinodithioate with an amine. 3,396,109, 8–6–68, Cl. 252—32.7.

Butler, Walter R.: *See*—
Neely, Charles E., and Butler. 3,386,740.

Butler, Wilbur T., to Continental Oil Co. Apparatus for combining the flow of two fluids. 3,411,586, 11–19–68, Cl. 166—75.

Butler, William R., to Aluminum Co. of America. Open grid structures. 3,369,337, 2–20–68, Cl. 52—667.

Butlin, John G. Method of shaping leather materials. 3,407,421, 10–29–68, Cl. 12—142.

Butman, Thomas R., Jr.: *See*—
Pletenik, Andrew, and Butman. 3,393,335.

Butsch, Alfred G.: *See*—
Engleman, Chester F., and Butsch. 3,374,945.

Butschkau, Harold C. Clothes hangers for wash lines. 3,365,069, 1–23–68, Cl. 211—119.02.

Butt, Alan G., to The Trane Co. Plate type heat exchanger and method of construction and repair. 3,372,453, 3–12–68, Cl. 29—157.3.

Butt, Alan G., to The Trane Co. Plate type heat exchangers. 3,380,517, 4–30–68, Cl. 165—166.

Butte, Walter A., Jr., to Sun Oil Co. Selective isopropylation of pseudocumene. 3,398,207, 8–20–68, Cl. 260—671.

Butter, Wilhem, and C. Bornand, to Note-Service S.A. Dispensers for note paper. 3,385,612, 5–28–68, Cl. 281—44.

Butterfield, James N.: *See*—
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Butterfield, John V., and H. E. Rosenberger, to Bausch & Lomb, Inc. Zoom type lens system for microprojectors having constant brightness of image. 3,399,014, 8–27–68, Cl. 350—184.

Butterworth, Archibald L, to Sidler Ltd. Sideways parking devices for motor vehicles and the like. 3,401,762, 9–17–68, Cl. 180—1.

Butterworth, Arthur B. Combined battery lifter and gage. 3,377,205, 4–9–68, Cl. 136—170.

Butterworth, Arthur B. Container and method of building a breakwater. 3,393,520, 7–23–68, Cl. 61—4.

Butterworth, Harold M., and E. A. Neppiras, to North American Philips, Co., Inc. Ultrasonic atomiser. 3,375,977, 4–2–68, Cl. 239—102.

Butterworth, Harry G., to Leesona Ltd. Winding machine. 3,362,652, 1–9–68, Cl. 242—43.

Butterworth, Harry S., to Western Electric Co. Inc. Rotating plural source apparatus for dispensing articles sequentially. 3,390,811, 7–2–68, Cl. 221—113.

Butterworth Hydraulic Developments Ltd.: *See*—
Butterworth, Philip. 3,396,634.

Butterworth, Philip, to Butterworth Hydraulic Developments Ltd. Fluid pressure operated linear motor. 3,396,634, 8–13–68, Cl. 91—224.

Butterworth System, Inc.: *See*—
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Buttery, Kenneth T., to Brown Co. Square end carton structure. 3,361,328, 1–2–68. Cl. 229—37.

Buttery, Kenneth T., to Brown Co. Dispensing carton suitable for plastic bags and the like. 3,395,830, 8–6–68, Cl. 221—63.

Buttery, Kenneth T., to Brown Co. Recloseable carton having improved tear strip. 3,410,476, 11–12–68, Cl. 229—51.

Buttke, Richard A.: *See*—
Sabatino, Anthony, Buttke, and Lowe. 3,415,220.

Buttke, Richard A., and D. Orlando, to Globe-Union Inc. Aligning arrangement for multicell batteries. 3,364,076, 1–16–68, Cl. 136—134.

Buttle, Robert L., to United States of America, Atomic Energy Commission. Aluminum brazing. 3,391,446, 7–9–68, Cl. 29—471.9.

Buttner, Gert: *See*—
Hartmann, Adolf, and Buttner. 3,400,192.

Buttner, Karl, H. Richter, and H. Voller, to Deutsche Edelstahlwerke Aktiengesellschaft. Method and apparatus for compacting magnetic powder. 3,400,180, 9–3–68, Cl. 264—24.

Button, Harold O., W. G. Franz, and W. H. King, to Mobil Oil Corp. Dewaxing process using a low boiling fraction of fuel oil to reduce the viscosity of a high boiling fraction of fuel oil. 3,393,144, 7–16–68, Cl. 208—28.

Button, Peter A., J. V. Miller, and P. F. King, to Xerox Corp. Xerographic facsimile printer having light scanning and electrical charging. 3,396,235, 8–6–68, Cl. 178—6.6.

Button, Robert L. Tomato harvesting apparatus. 3,390,768, 3,390,768, 7–2–68, Cl. 209—84.

Button, Robert L., and B. H. Johnson. Periodically varying drive mechanism. 3,364,770, 1–23–68, Cl. 74—394.

Buttriss, Albert T., to Tinnerman Products, Inc. Fastener device and mounting assembly. 3,368,780, 2–13–68, Cl. 248—27.

Butts, Charles H., to Tri-State Products, Inc. Molding apparatus and process. 3,405,214, 10–8–68, Cl. 264—269.

Butts, Donald A., to General Motors Corp. Closure latch. 3,403,934, 10–1–68, Cl. 292—341.16.

Butts, Jean G. Mobile tree transplanting machine. 3,410,420, 11–12–68, Cl. 214—3.

Butts, William R., to General Electric Co. Method for making cellular material. 3,383,207, 5–14–68, Cl. 75—212.

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Ivanov, Konstantin P., Kirichinsky, and Butuzov. 3,377,829.

Butz, C. F., Engineering: *See*—
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Butz, Tom E., and S. N. Schlein, to The Fanner Mfg. Co., Div. of Textron Inc. Dead end. 3,406,513, 10–22–68, Cl. 57—145.

Butzin, Paul E., and W. A. Eschenburg, to The Filer and Stowell Co. Band saw. 3,362,445, 1–9–68, Cl. 143—27.

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Bux, J. R., & Son: *See*—
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Bux, Julius R., to J. R. Bux & Son. Knitting needle. 3,364,702, 1–23–68, Cl. 66—119.

Buxbaum, Colman L., and S. Allen, to United States of America, Navy. Contactless temperature controller. 3,363,087, 1–9–68, Cl. 219—201.

Buxton, Thomas S., and J. E. Pease, to Pan American Petroleum Corp. Recovery of petroleum by a cyclic thermal method. 3,399,722, 9–3–68, Cl. 166—2.

Buy-Ai, R. P. Fieux, G. A. Giralt, and R. N. Lacoste, to Centre National de la Recherche Scientifique. Katharometer bridge. 3,413,837, 12–3–68, Cl. 73—27.

Buyer, Edward M., A. B. Kaplan, and G. M. Strause, to Maxon Electronics Corp. Electrically programmed delay. 3,369,220, 2–13–68, Cl. 340—167.

Buyers, Archie G., and A. J. Mohr, Jr., to Hughes Aircraft Co. Ceramic-metal seal. 3,365,779, 1–30–68, Cl. 29—273.1.

Buynak, Eugene B., and M. R. Hilleman, to Merck & Co., Inc. Rubella vaccine and its preparation. 3,401,084, 9–10–68, Cl. 195—1.3.

Buysch, Heinrich, to H. Krantz. Roller for uniform production of pressure. 3,389,448, 6–25–68, Cl. 29—110.

Buyze, Edwin K., to The Budd Co. Parking brake for a disc brake. 3,406,793, 10–22–68, Cl. 188—73.

Buzan, James D., to Sarkes Tarzian, Inc. Aperture correction circuit. 3,377,425, 4–9–68, Cl. 178—7.1.

Buzan, James D., to Sarkes Tarzian, Inc. Television signal generating apparatus. 3,389,220, 6–18–68, Cl. 178—7.1.

Buzby, George C., Jr.: *See*—
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Stein, Reinhardt P., Smith, and Buzby. 3,409,645.

Buzby, George C., Jr., and H. Smith, to American Home Products Corp. 5-alkyl-13-polycarbon-gonanes. 3,418,326, 12–24–68, Cl. 260—397.4.

Buzby, George C., Jr., and H. Smith, to American Home Products Corp. 5-alkyl-13-polycarbon-gonenes. 3,418,327, 12–24–68, Cl. 260—397.4.

Buzenberg, Robert J., and P. C. De Graff, to Viking Mfg. Co. Mobile feed grinding and mixing and distributing apparatus. 3,369,762, 2–20–68, Cl. 241—63.

Buzick, John W.: *See*—
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Buzicky, Edmund J., to Whirlpool Corp. Insulated wall structure. 3,369,336, 2–20–68, Cl. 52—302.

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Williams, George B. 3,389,604.

Buzzell, Harold O., and P. F. Jordan, to Polaroid Corp. Laminations. 3,391,479, 7–9–68, Cl. 40—2.2.

Buzzelli, Edward S.: *See*—
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Buzzelli, Frank D. Swim cap. 3,381,305, 5–7–68, Cl. 2—68.

Buzzelli, Frank D. Detachable coiffure. 3,385,305, 5–28–68, Cl. 132—105.

Byard, Gerald A.: *See*—
Hunter, Edward A., Byard, and Knarr. 3,363,974.

Byars, Logan C. Portable reading desk. 3,380,701, 4–30–68, Cl. 248—459.

Byczkowski, Ernest, and H. J. Tischler, to Young Spring & Wire Corp. Windshield wiper and washer system. 3,418,676, 12–31–68, Cl. 15—250.04.

Byczkowski, Mieczyslaw W., to Globe-Union Inc. Method of forming a semiconductor device with a depletion area. 3,376,172, 4–2–68, Cl. 148—191.

Bydzovsky, Viktor: *See*—
Janata, Vladimir, and Bydzovsky. 3,390,158.

Bye, Richard. Tape reel. 3,392,960, 7–16–68, Cl. 254—134.3.

Byer, Jacob, to Harrington & Richardson, Inc. Conversion of M1 type firearms to M14 ammunition. 3,362,095, 1–9–68, Cl. 42—1.

Byers, James O., Jr., to General Signal Corp. Hydraulic supply systems. 3,411,295, 11–19–68, Cl. 60—52.

Byers, Robert D., and J. G. Poor, to Allied Chemical Corp. Chromic acid-sulfuric acid soltuions containing chloride catalyst for dissolving metals. 3,362,911, 1–9–68, Cl. 252—79.2.

Bygdnes, Perry A. Recorder head with electrically conductive filler wedge. 3,412,217, 11–19–68, Cl. 179—100.2.

Bykasov, Viktor I.: *See*—
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Byk-Gulden Lomberg Chemische Fabrik G.m.b.H.: *See*—
Schoetensack, Wolfgang, Hallmann, and Haegele. 3,407,210.

Byland, Henry L. Wrapping machine. 3,378,990, 4–23–68, Cl. 53—206.

Bylund, Linton D., to Reynolds Metals Co. Aluminum-iron articles and alloys. 3,397,044, 8–13–68, Cl. 29—183.

Bylund, Per-Ake, and G. Mellgren, to Allmanna Svenska Elektriska Aktiebolaget. Rectifier assembly comprising semiconductor rectifiers with two separate heat sinks. 3,364,987, 1–23–68, Cl. 165—80.

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Bynum, George D., G. R. Baur, and B. T. Thompson, Jr., to Monsanto Co. Process for preparing synthetic fibers for paper products. 3,402,231, 9–17–68, Cl. 264—176.

Bynum, Stanley A., to General Electrodynamics Corp. Photoconductive layer separated from reactive opaque pattern by transparent conductive layer. 3,418,508, 12–24–68, Cl. 313—65.

Byrd, Patrick N.: *See*—
Walsh, Peter J., and Byrd. 3,389,566.

Byrd Plastics, Inc.: *See*—
Byrd, William R. 3,402,866.

Byrd, William R., to Byrd Plastics, Inc. Clothes hanger. 3,402,866, 9–24–68, Cl. 223—91.

Byrd, Wylie A. Drawbar spacer. 3,403,737, 10–1–68, Cl. 172—421.

Byrne Doors, Inc.: *See*—
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Davidson, Charles S. 3,418,775.
Wetter, Allan E. 3,370,381.

Byrne, Francis T.: *See*—
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Byrne, Gavin F., to Commonwealth Scientific and Industrial Research Organization. Punch tape data logging apparatus. 3,403,850, 10–1–68, Cl. 234—99.

Byrne, John J. Drift alarm system for boats. 3,405,388, 10–8–68, Cl. 340—29.

Byrne, Thomas M. Liquid dispensing device. 3,409,175, 11–5–68, Cl. 222—70.

Byrnes, Herbert P., L. J. Gagliano, and H. G. Schick, to International Business Machines Corp. Electrical connector. 3,400,358, 9–3–68, Cl. 339—17.

Byrnes, Robert J. Animation for advertising displays. 3,402,496, 9–24–68, Cl. 40—139.

Byron Jackson, Inc.: *See*—
Grant, John C., and Magill. 3,378,088.

Bysath, Kurt, to Sulzer Bros., Ltd. Sealing compound for high temperature use. 3,396,045, 8–6–68, Cl. 106—243.

Bystricky, Karl, and T. Muszumanski, to K. Vockenhuber, and R. Hauser. Supplementary objective with continuously variable magnification. 3,367,734, 2–6–68, Cl. 350—184.

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Pugnaire, Jean-Pierre A. 3,413,845.

Bywater, William, Ltd.: *See*—
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Barber, Stanley F. 3,416,505.
Evans, Fraser M. 3,363,568.
Evans, Fraser M. 3,363,844.
Kemp, Kenneth A. W. 3,405,640.
Kemp, Kenneth A. W. 3,410,216.
Kemp, Kenneth A. W. 3,412,682.
Peltret, Pierre H., and Wheatley 3,419,292.
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Seilly, Alec H., Gubb, and Peltret. 3,399,575.

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CDC Industries, Inc.: *See*—
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C.E.M. Co., Inc.: *See*—
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CHEPOS Sdruzeni Chemickeho a Potravinarskeho Strojirenstvi: *See*—
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CIT-Compagnie Industrielle des Telecommunications: *See*—
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Regner, Karel, and Petrasek. 3,410,945.
C & M Industrial Associates Inc.: *See*—
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C M Manufacturing & Machine Co.: *See*—
Murphy, James A. 3,387,835.
C.O.R.E.C.I. Compagnie de Regulation et de Controle Industriel: *See*—
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CPC Engineering Corp.: *See*—
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CPS Industries, Inc.: *See*—
Culberg, Jack J., and Gale. 3,366,313.
Weiner, Sol S., Gale, and McNally. 3,367,814.
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Grancoin, Bernard. 3,368,127.
Gremillet, Jacques. 3,382,464.
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Cabbage, John T., to Phillips Petroleum Co. Pressure relief system. 3,416,667, 12-17-68, Cl. 210—104.
Cabbage, John T., to Phillips Petroleum Co. Controlling an isomerization or alkylation reaction. 3,418,391, 12-24-68, Cl. 260—683.57.
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Cabe, Ray W., to Tamar Electronics Industries, Inc. Blankout sign. 3,413,745, 12-3-68, Cl. 40—132.
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Cable, Joseph W. 3,393,257.
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Krinov, Stanley M. 3,368,980.
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MacKenzie, James C., and Orzechowski. 3,365,482.
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Cadiou, Jean G., to Andre Citroen, Societe Anonyme. Fuel injection pump. 3,361,075, 1–2–68, Cl. 103—153.
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Cadiou, Jean G., to Societe Anonyme Andre Citroen. Roof assemblies. 3,398,486, 8–27–68, Cl. 49—209.
Cadiou, Jean G., to Societe Anonyme Andre Citroen. Hydraulic braking system incorporating two hydraulic fluid circuits with a pressure limiter. 3,410,608, 11–12–68, Cl. 303—6.
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Cadmus, Lamont A., to Kaiser Jeep Corp. Brake system. 3,385,062, 5–28–68, Cl. 60—54.5.
Cadwell, Edward P., to American Cyanamid Co. Upgrading of copper concentrates from flotation. 3,386,572, 6–4–68, Cl. 209—3.
Cady, Walter G. Piezoelectric vibrators and systems embodying the same for converting the mechanical vibration thereof into electric energy. 3,371,234, 2–27–68, Cl. 310—9.5.
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Cafferty, Michael P., and D. E. Jewell, to J. I. Case Co. Chisel plow resetting means. 3,415,326, 12–10–68, Cl. 172—269.
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Cafiero, Vincent J., and W. I. Sohl. Pivotal display shelf. 3,404,930, 10–8–68, Cl. 312—234.1.
Cafiero, Vincent J., and W. I. Sohl, to Knoll Associates, Inc. Guide rod latch for card file drawer. 3,405,716, 10–15–68, Cl. 129—16.
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Caggia, Vincent P., to Lear Siegler, Inc. Linearized electrical output from pressure actuated airspeed instrument. 3,376,-743, 4–9–68, Cl. 73—182.
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Cagle, Harlan R., to Sahlin Engineering Co. Inc. Press unloader control system. 3,394,650, 7–30–68, Cl. 100—53.
Cagle, Harlan R., to Sahlin Engineering Co., Inc. Air and oil cylinder. 3,399,603, 9–3–68, Cl. 92—10.
Cagle, Toby T. Anticreep device for a vehicle. 3,363,947, 1–16–68, Cl. 303—18.
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Cahn, Leo. Three dimensional picture. 3,365,350, 1–23–68, Cl. 161—33.
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Cain, Hall H. Crushing device. 3,374,730, 3–26–68, Cl. 100—233.
Cain, Harry C. Milking system. 3,402,699, 9–24–68, Cl. 119—14.04.
Cain, Pierre A., and G. N. Marlet, to Societe Industrielle Bull-General Electric (Societe Anonyme). Apparatus for supplying and driving cards in record-card machines. 3,393,907, 7–23–68, Cl. 271—9.
Cain, Robert L., to Amsted Industries, Inc. Method of forming chain link plates. 3,410,084, 11–12–68, Cl. 59—8.
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Cairns, Theodore L., to E. I. du Pont de Nemours and Co. 3-aminotricyclo[4.3.1.1^{2,5}]-undecanes. 3,397,233, 8–13–68, Cl. 260—536.
Cairns, Wallace M. J., and L. C. Chonings, to Automotive Products Co. Ltd. Internal shoe drum brakes for vehicles. 3,386,538, 6–4–68, Cl. 188—195.
Cais, Michael. Process for preparation of metallocenes. 3,382,268, 5–7–68, Cl. 260—439.
Cais, Michael, and W. Taub. Heterocyclic compound and use. 3,393,204, 7–16–68, Cl. 260—343.5.
Cais, Michael, and W. Taub. Heterocyclic compound and use. 3,393,205, 7–16–68, Cl. 260—343.5.
Cais, Michael, and W. Taub. Heterocyclic compound and use. 3,393,206, 7–16–68, Cl. 260—343.5.
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Calabro, Anthony V., to United States Steel Corp. Bearing race extractor. 3,403,434, 10–1–68, Cl. 29—200.
Calaceto, Ralph R., to Automotive Rubber Co., Inc. Apparatus for separating and collecting particles carried by gases. 3,388,897, 6–18–68, Cl. 261—111.
Calaceto, Ralph R., R. H. Durst, and D. Millar, to Airetron Engineering Corp. Adjustable venturi for scrubbers. 3,405,918, 10–15–68, Cl. 261—62.
Calaman, Joseph J., to Union Carbide Corp. Mineral working burner apparatus. 3,385,381, 5–28–68, Cl. 175—14.
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Caldecourt, Victor J., L. W. Colburn, and T. E. Slykhouse, to The Dow Chemical Co. Detonation gauge apparatus. 3,381,521, 5–7–68, Cl. 73—35.
Caldemeyer, Daniel F. Chair base. 3,368,843, 2–13–68, Cl. 297—261.
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Caldwell, Henry C., and W. E. Smith, to Smith Kline & French Laboratories. Dextromethorphan hydroxybenzoyl benzoate. 3,381,010, 4–30–68, Cl. 260—285.
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Caldwell, John R., to Xerox Corp. Scanning attachment. 3,381,573, 5–7–68, Cl. 88—24.
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Caldwell, John R., to Eastman Kodak Co. Hydrophobic polyhydrocarbon subatrates coated with cyclopentadiene homopolymer. 3,398,020, 8–20–68, Cl. 117—138.8.
Caldwell, John R., to Eastman Kodak Co. Poly (α-olefins) containing sulfated or sulfonated condensation polymers. 3,402,221, 9–17–68, Cl. 260—897.
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Caldwell, John R., and W. J. Jackson, Jr., to Eastman Kodak Co. Bisphenol polyesters containing phosphorus. 3,378,523, 4–16–68, Cl. 260—47.
Caldwell, John R., and E. H. Hill, to Eastman Kodak Co. Poly(1,4 - cyclohexylenedimethylene terephthalate) fiber having nonfiber-forming polyester dispersed therein. 3,381,058. 4–30–68, Cl. 260—860.
Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. Polyesters having improved dyeing properties. 3,386,795, 6–4–68, Cl. 8—100.
Caldwell, John R., and C. H. Hall, to Gunter & Cooke, Inc. Sliver coiler. 3,387,340, 6–11–68, Cl. 19—159.
Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. Polyester films having a poly (alkylene oxide) glycol ether layer fused thereto and process for making same. 3,399,073, 8–27–68, Cl. 117—62.1.
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Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. Preparation of polyamides from aromatic amino compounds. 3,408,334, 10–29–68, Cl. 260—78.
Caldwell, John R., and C. C. Dannelly, to Eastman Kodak Co. Surface oxidation and treatment of polymers. 3,418,066, 12–24–68, Cl. 8—115.5.
Caldwell, Leazar M., to Wiscassett Mills Co. Method of forming ladies' stretchable seamless stockings. 3,364,542, 1–23–68, Cl. 28—72.
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Caldwell, Richard L., and W. W. Givens, to Mobil Oil Corp. Pulsed neutron source comprising a plurality of alpha sources and associated targets with a rotatable shutter therebetween. 3,389,257, 6–18–68, Cl. 250—84.5.
Caldwell, Roland B., to Ranco Inc. Time delay mechanism for refrigeration system. 3,411,310, 11–19–68, Cl. 62—158.
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Calhoun, George M., to Shell Oil Co. Sulfides of higher fatty acids. 3,400,139, 9–3–68, Cl. 260—399.

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Cali, Joseph V., to Wenton Shoe Mfg. Co. Shoes with moulded soles. 3,375,537, 4–2–68, Cl. 12—145.
Califano, Frank L., and R. Ulrich, to The Flintkote Co. Stacking apparatus. 3,382,966, 5–14–68, Cl. 198—35.
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California General, Inc.: *See*—
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California Institute Research Foundation: *See*—
Couvillon, Lucien A., Jr. 3,402,265.
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Langmuir, Robert V. 3,378,686.
Motta, Nathaniel. 3,375,455.
Motta, Nathaniel. 3,414,774.
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Scott, Ronald F., Howard, and Hotz. 3,375,885.
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California Packing Corp.: *See*—
Leth, Peter T. 3,367,477.
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Ross, Edward E., Cunningham, and Hartman. 3,386,557.
Ross, Edward E., Cunningham, and Hartman. 3,386,559.
Ross, Edward E., Cunningham, and Hartman. 3,386,560.
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Bishop, John D., Calkin, and Judd. 3,383,582.
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Sarnoff, Stanley J., and Calkins. 3,368,559.
Calkins, Gilbert R., to Hush-Noise Corp. Ear noise suppressor and speech clarifier. 3,394,698, 7–30–68, Cl. 128—1.
Calkins, William H., E. N. Squire, and M. S. Ziegler, to E. I. du Pont de Nemours and Co. Preparation of methyl methacrylate polymer sirups. 3,380,980, 4–30–68, Cl. 260—89.5.
Call, Daniel D., to Bell & Howell Co. Panning rate indicator. 3,371,332, 2–27–68, Cl. 340—263.
Call, Daniel D., to Bell & Howell Co. Lens stabilization system. 3,409,350, 11–5–68, Cl. 352—140.
Call, Donald H.: *See*—
Ehrenzeller, Wesley S., and Call. 3,412,696.
Call, John G. Jet engine with relatively rotatable combustion means, intake manifold and exhaust manifold. 3,417,564, 12–24–68, Cl. 60—39.34.
Call, W. A., Mfg. Inc.: *See*—
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Callagher, George A., to E. I. du Pont de Nemours and Co. Adhesive bonding of α-olefin hydrocarbon copolymers by intermediate coating of copolymers of halogenated unsaturated hydrocarbons and ethylene. 3,367,827, 2–6–68, Cl. 161—227.
Callahan, Andrew J., R. E. Harder, and R. B. Hurley, to The Dow Chemical Co. Method of improving heat stability of acrylonitrile polymer fibers. 3,415,611, 12–10–68, Cl. 8—137.5.
Callahan, Charles B. Retaining ring apparatus. 3,391,954, 7–9–68, Cl. 287—52.05.
Callahan, Edward J.: *See*—
Yourke, Hannon S., and Callahan. 3,369,075.
Callahan, Francis J., Jr., to Crawford Fitting Co. Assembly device. 3,395,457, 8–6–68, Cl. 33—174.
Callahan, George P., 50% to City of Los Angeles. Method for the reduction of the hydrogen sulfide content of digestion gas. 3,388,057, 6–11–68, Cl. 210—7.
Callahan, James F.: *See*—
Smith, Richard D., and Callahan. 3,415,981.
Callahan, James J., and R. A. Shivak, to Trabon Engineering Corp. Unidirectional-flow lubricating means. 3,371,745, 3–5–68, Cl. 181—7.
Callahan, James L.: *See*—
Grasselli, Robert K., and Callahan. 3,414,631.
Callahan, James L., to The Standard Oil Co. Process for producing unsaturated carboxylic acids with phosphomolybdic acid on silicon carbide as catalyst. 3,395,178, 7–30–68, Cl. 260—530.
Callahan, James L., J. J. Szabo, and B. Gertisser, to The Standard Oil Co. Process for the manufacture of unsaturated aldehydes from olefins. 3,362,998, 1–9–68, Cl. 260—604.
Callahan, James L., and E. C. Milberger, to Standard Oil Co. Process for preparing diolefins. 3,370,103, 2–20–68, Cl. 260—680.
Callahan, James L., and E. C. Milberger, to Standard Oil Co. Process for preparing diolefins. 3,375,291, 3–26–68, Cl. 260—680.
Callahan, James L., R. K. Grasselli, and W. R. Knipple, to The Standard Oil Co. Promoted catalysts for the oxidation of olefins. 3,390,202, 6–25–68, Cl. 260—680.
Callahan, James L., R. K. Grasselli, and W. R. Knipple, to The Standard Oil Co. Process for oxidative dehydrogenation of olefins. 3,409,697, 11–5–68, Cl. 260—680.
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Herbert, George E., and Pelley. 3,384,525.
Callahan, Richard L., to Gerber Products Co. Self-adjusting fork attachment for lift truck. 3,372,824, 3–12–68, Cl. 214—731.
Callahan, Theodore F. Gear tooth lubrication system. 3,364,776, 1–23–68, Cl. 74—467.
Callahan, William H.: *See*—
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Callahan, William H., and R. F. Smith, to Lektro-Vend Corp. Coin handling and changing device. 3,369,641. 2–20–68, Cl. 194—2.
Callan, Joseph M., and I. Gerner, to Magnetic Analysis Corp. Apparatus for limiting phase-angle response range, particularly in eddy current testing apparatus. 3,405,354, 10–8–68, Cl. 324—40.
Callander, Sidney E., and J. Yates, to Shell Oil Co. N-acyl derivatives of dichlorothiobenzamides. 3,415,879, 12–10–68, Cl. 260—558.
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Short, Joe T. 3,361,095.
Short, Joe T. 3,386,403.
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Callen, Robert H., to Market Forge Co. Ice dispensing apparatus. 3,390,537, 7–2–68, Cl. 62—62.
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Callender, Earl R., to Westinghouse Air Brake Co. Electromagnetic latching relay. 3,996,351, 8–6–68, Cl. 335—113.
Callender, George R., Jr. Fractured bone setting fastener assembly. 3,374,786, 3–26–68, Cl. 128—92.
Callender, Russell J. Method of maintaining electrical characteristics of electron tubes and transistors and structure therefor. 3,372,733, 3–12–68, Cl. 165—1.
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Makhlouf, Joseph M., and Hough. 3,373,203.
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Calletti, Richard C., and S. J. Borges, to Standard Structures, Inc. Method and equipment for building construction. 3,379,281. 4–23–68, Cl. 182—113.
Callighan, Robert H., J. O. Hawthorne, and E. L. Mihelic, to United States Steel Corp. Mono-ethers of 2,2'-dihydroxydiphenyl sulfone and method of making the sulfone and mono-ethers. 3,408,402, 10–29–68, Cl. 260—607.
Callihan, Clayton D., and J. R. Boudreaux, to The Dow Chemical Co. Dissolution of cellulose ethers. 3,376,285, 4–2–68, Cl. 260—232.
Callihan, Dale H., to Norwalk Thermostat Co. Thermal stack switch with a pair of adjustment means. 3,369,092, 2–13–68, Cl. 200—122.
Callin, Charles, and H. R. Gillespie. Combination doll house and toy chest. 3,400,485, 9–10–68. Cl. 46—11.
Callis, Carl R., to United States of America, Navy. Zener coupled wide band logarithmic video amplifier. 3,374,361. 3–19–68, Cl. 307—229.
Callow, Donald S., to National Research Development Corp. Preferential production of cephalosporin C, penicillin N, or cephalosporin P. 3,396,083. 8–6–68. Cl. 195—36.
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Duda, Otto H. 3,362,344.
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Calmes, Albert H., to Contubind Societe Anonyme, and Lorraine-Escaut Societe Anonyme. Manufacturing seamless tubes. 3,374,650, 3–26–68. Cl. 72—46

Calmes, Albert H., to Contubind S.A. Process and apparatus for producing cylindrical tubular bodies from blooms. 3,391,-561, 7-9-68, Cl. 72—209.
Calmes, Albert H., to Contubind Societe Anonyme and Lorraine-Escaut Societe Anonyme. Apparatus for rolling seamless tubes. 3,394,568, 7-30-68, Cl. 72—41.
Calmon, Calvin, to Ritter Pfaudler Corp. Method for treating high hardness water having major amounts of sodium therein. 3,414,507, 12-3-68, Cl. 210—32.
Calmon, Calvin, and W. T. Grundner, to Ritter Pfaudler Corp. Preparation and use of silver zeolites of improved exchange capacity. 3,382,039, 5-7-68, Cl. 23—112.
Calmon, Calvin, and A. H. Heit, to Ritter Pfaudler Corp. Electrodialysis of pickle liquor using sequestrants. 3,394,-068, 7-23-68, Cl. 204—180.
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Trouilhet, Maurice M. A. 3,406,543.
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Caloric Corp.: *See*—
Clark, Robert A. 3,409,340.
Spaonara, Domenick, and Redstreake. 3,401,000.
Calsyn, Lawrence E., and R. W. Lewis, to E. W. Bliss Co. Frequency generator. 3,375,492, 3-26-68, Cl. 340—35.
Calumet & Hecla, Inc.: *See*—
Arrington, Thomas B. 3,416,346.
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Day, Robert E. 3,416,819.
Habdas, Edward P. 3,380,271.
Habdas, Edward P. 3,390,018.
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Calvert, Bertram. Paper products and method of producing same. 3,393,925, 7-23-68, Cl. 282—24.
Calvert, Frederick H., to Eaton Yale & Towne, Inc. Controlled-velocity drive. 3,374,373, 3-19-68, Cl. 310—94.
Calvert, James D., to International Business Machines Corp. Polling system. 3,396,372, 8-6-68, Cl. 340—172.5.
Calvert, William L., to Union Carbide Corp. Seal barriers for thermoplastic bags. 3,413,898, 12-3-68, Cl. 93—35.
Calvi, Pierluigi, L. Corbelli, P. L. Balzani, and P. Longhi, to Montesheil Petrochimica S.p.A. Alkylbenzenes as diluents for elastomeric olefin polymers. 3,407,168, 10-22-68, Cl. 260—33.6.
Calvin, Charles E., to Richfield Oil Corp. Electro-pneumatically operated bed oscillator. 3,392,723, 7-16-68, Cl. 128—24.
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Cam Corp.: *See*—
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Cam Gears (Luton) Ltd.: *See*—
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Adams, Frederick J. 3,405,523.
Adams, Frederick J. 3,405,735.
Camag, Chemie-Erzeugnisse und Adsorptionstechnik AG: *See*—
Mutter, Karl J. 3,402,118.
Camardella, Giuseppe. Device for controlling the automatic intermittent advancement of working tables. 3,362,260, 1-9-68, Cl. 74—820.
Camardella, Giuseppe. Automatic winding machine. 3,402,903, 9-24-68, Cl. 242—158.5.
Cambillard, Etienne, J. P. Le Frere, J. Lelong, and R. Morisset, to Commissariat a l'Energie Atomique. Coupled inductance level indicator for liquid metals. 3,402,607, 9-24-68, Cl. 73—304.
Cambon, Theophile F. L., and J. Bovics, to Office National Industriel de l'Azote. Method for homogeneous germination inoculation of cast iron and steel and product. 3,370,939, 2-27-68, Cl. 75—53.
Cambon, Theophile F. L., and G. A. M. Igounenc, to Office National Industriel de l'Azote. Process of direct reduction of iron oxides in fluidized beds. 3,389,988, 6-25-68, Cl. 75—26.
Camboulives, Andre A. M. L., to Societe Nationale d'Etude et de Constructlon de Moteurs d'Aviation. Articulated connections for ducts. 3,367,108, 2-6-68, Cl. 60—39.32.
Camboulives, Andre A. M. L., and R. A. J. Vandenbroucke, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Jet propulsion casings having fuel drainage means. 3,371,482, 3-5-68, Cl. 60—39.32.
Cambria, Emanuel F., to Hurst-Campbell, Inc. Gear shift mechanism. 3,364,779, 1-23-68, Cl. 74—473.
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Cambridge Filter Corp.: *See*—
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Camco, Inc.: *See*—
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Kerbow, Odis B., and Delatorre. 3,407,658.
King, Howard M., Jr. 3,419,045.
Lane, Bobbie R., and Davis. 3,377,532.
Moore, Howard H., Jr. 3,412,687.
Tausch, Gilbert H. 3,381,532.
Watkins, Fred E. 3,402,912.
Cameli, Nazzareno, G. Sartori, and R. Sudati, to Montecatini Edison S.p.A. Process for the preparation of cyclododecadienes. 3,407,238, 10-22-68, Cl. 260—666.
Cameli, Nazzareno, G. Censolo, G. Sartori, and A. Valvassori, to Montecatini Edison S.p.A. Synthesis of unsaturated bicyclic hydrocarbons. 3,407,239, 10-22-68, Cl. 260—666.
Camenisch, Carl R. Apparatus for curing tobacco. 3,371,670, 3-5-68, Cl. 131—121.
Camenisch, Carl R. Method for accelerated curing of tobacco. 3,378,208, 4-16-68, Cl. 131—121.
Camenisch, Gian C., to R. A. Baden. Cable clip with nontangling features. 3,363,290, 1-16-68, Cl. 24—81.
Cameniach, Gian C., W. Engelmann, K. Rosskopf, and H. P. Polvet, to A. Raymond. Nut cage with plug-in nut. 3,370,-633, 2-27-68, Cl. 151—41.74.
Camenzind, Hans R., to P. R. Mallory & Co., Inc. Holding current meter for SCR or the like. 3,373,356, 3-12-68, Cl. 324—158.
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Linder, George J., Jr. 3,367,252.
Linder, George J., Jr. 3,392,646.
Cameron-Brown Capital Corp.: *See*—
Seagrave, Earl M., Jr. 3,412,229.
Cameron, Daniel F., and M. M. Turner, to Continental Oil Co. Method for producing dialkylaluminum hydride compounds. 3,388,142, 6-11-68, Cl. 260—448.
Cameron, Ewen, and P. A. R. Wills, to Ilford Ltd. High speed coating apparatus. 3,413,143, 11-26-68, Cl. 117—120.
Cameron, Frank L.: *See*—
Upton, Chester W., Jr., Patterson, and Cameron. 3,401,-247.
Cameron, Frank L., to Westinghouse Electric Corp. Cartridge-type fuse with explosion pots. 3,374,328, 3-19-68, Cl. 200—120.
Cameron, Frank L., to Westinghouse Electric Corp. Current limiting fuse. 3,374,330, 3-19-68, Cl. 200—132.
Cameron, Frank L., to Westinghouse Electric Corp. Circuit breaker having improved flashover characteristics. 3,401,-245, 9-10-68, Cl. 337—199.
Cameron, Grant M., to Ciba Ltd. Epoxy resin compositions. 3,394,098, 7-23-68, Cl. 260—30.8.
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Pennington, John V. 3,392,743.
Williams, Leonard E., Jr., and Gruller. 3,419,071.
Cameron, James D., and A. E. Gealt, to Honeywell Inc. Partially rolling, partially sliding contactor for electrical slidewires. 3,384,850, 5-21-68, Cl. 338—158.
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Cameron, Russell J., Hand, and Komarek. 3,402,225.
Cameron Machine Co.: *See*—
Naccara, Nicholas G. 3,391,878.
Cameron, Russell J., J. W. Hand, and K. R. Komarek, ½ each to Komarek-Greaves and Co., and Cameron and Jones, Inc. Method of preparing vertical shaft kiln feed for production of portland cement. 3,402,225, 9-17-68, Cl. 263—53.
Camille, Richard J., Jr., to Avco Corp. Cryogenic heat exchanger electrical lead. 3,371,145, 2-27-68, Cl. 174—15.
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Camm, William T., to American Hoist & Derrick Co. Rotary dryer for aggregate. 3,407,511, 10-29-68, Cl. 34—109.
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Camolett, Bruno, P. Hausermann, and E. Hoechel. Prefabricated elements of moulded material for the construction of dwellings. 3,363,370, 1-16,68, Cl. 52—80.
Camp, Donald A., and T. C. Cousins, to Vapor Corp. Static inverter having a regulated output. 3,365,650, 1-23-68, Cl. 321—18.
Camp, Eldridge K., to American Chemical & Refining Co., Inc. Method and bath for electroplating gold. 3,397,127, 8-13-68, Cl. 204—46.
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Campagne, Nicolaas V. L., and H. Voetter, to Shell Oil Co. Separating asphaltenes and resins with alkane and alcohol treatment. 3,364,138, 1-16-68, Cl. 208—309.
Campagnie d'Applications Mecaniques a l'Atomistique (C.A.M.E.C.A.): *See*—
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Campagnuolo, Carl J., to United States of America, Army. Resonator system as a safety and arming device. 3,362,332, 1–9–68, Cl. 102—81.

Campagnuolo, Carl J., and R. W. Warren, to United States of America, Army. Flueric screamer. 3,415,193, 12–10–68, Cl. 102—92.4.

Compaigne, Ernest E., W. L. Roelofs, and R. F. Weddleton. Dialkylaminoalkyl 1-oxo-2a,3,4,5 - tetrahydroacenaphthen-2a-carboxylates. 3,391,178, 7–2–68, Cl. 260—469.

Campaigne, Ernest E., and E. S. Neiss, to Research Corp. 3(aminopropionyl) benzothiophenes. 3,417,087, 12–17–68, Cl. 260—247.1.

Campana, Robert J., to Gulf General Atomic Inc. Thermoelectric device. 3,413,156, 11–26–68, Cl. 136—212.

Campana, Robert J., J. C. Melcher, P. S. Merrill, and W. E. Sargent, to United States of America, Atomic Energy Commission. Thermoelectric generator. 3,388,008, 6–11–68, Cl. 136—205.

Campanella, Angelo J., to Industrial Nucleonics Corp. Glide path approach system for landing aircraft utilizing nuclear radiation. 3,403,254, 9–24–68, Cl. 250—83.3.

Campanella, Angelo J., to Industrial Nucleonics Corp. Navigational system employing nuclear radiation glide paths. 3,403,255, 9–24–68, Cl. 250—83.3.

Campanella, Angelo J., to Industrial Nucleonics Corp. Aircraft guidance system for locating a landing area. 3,404,276, 10–1–68, Cl. 250—83.3.

Campbell, Albert S., to United States of America, Army. Method and apparatus for determining the center of gravity. 3,388,589, 6–18–68, Cl. 73—65.

Campbell, Albert S., and G. C. Wright, to United States of America, Army. Double-turntable type dynamic test apparatus. 3,372,572, 3–12–68, Cl. 73—1.

Campbell, Andrew B., to Hillman-Kelley. Power wrench. 3,380,323, 4–30–68, Cl. 81—54.

Campbell, Andrew B., to Hillman-Kelley. Backup wrench. 3,387,512, 6–11–68, Cl. 81—54.

Campbell, Andrew J., and B. A. Haydu, to Al-Craft Mfg. Co. Side mount operator for awning type windows or the like. 3,398,590, 8–27–68, Cl. 74—89.14.

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Campbell, Carl. Process and apparatus for carbonizing fuel. 3,398,058, 8–20–68, Cl. 201—15.

Campbell, Charles, to Morganite Research and Development Ltd. Bearings. 3,370,006, 2–20–68, Cl. 252—12.

Campbell, Charles L., to Centrifix Corp. Dry separator. 3,372,532, 3–12–68, Cl. 55—394.

Campbell, Charles R., L. W. Pilschke, and R. R. Spiegelhalter, to Monsanto Co. Process for preparing bis-quaternary ammonium sulfates. 3,371,117, 2–27–68, Cl. 260—567.6.

Campbell, Charles R., and R. R. Spiegelhalter, to Monsanto Co. Preparation of quaternary ammonium hydroxides by electrodialysis. 3,402,115, 9–17–68, Cl. 204—180.

Campbell, Claude E., and R. B. Abrams, to Thiokol Chemical Corp. Force-responsive actuator. 3,374,709, 3–26–68, Cl. 89—1.

Campbell, Claude N., Jr. Heat sealing machine. 3,388,026, 6–11–68, Cl. 156—513.

Campbell, Clayton E., Jr., to Cam Corp. Plugboard assembly. 3,418,621, 12–24–68, Cl. 339—18.

Campbell, Clyde D.: *See*—
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Campbell, Clyde D., J. M. Cross, and S. H. Metzger, Jr., to Mobay Chemical Co. Cycloaliphatic tetramines. 3,361,814, 1–2–68, Cl. 260—563.

Campbell, Craig C., J. W. Schick, and J. H. Stockinger, to Mobil Oil Corp. Composition board made from material pretreated with a fluxed water repellent. 3,410,813, 11–12–68, Cl. 260—17.2.

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Davis, Martin A., and Campbell. 3,418,332.
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Campbell, David N., to The Hymatic Engineering Co. Ltd. Refrigerating apparatus. 3,391,546, 7–9–68, Cl. 62—45.

Campbell, David N., to The Hymatic Engineering Co. Ltd. Tubular heat exchanger with elastomeric outer sleeve. 3,400,757, 9–10–68, Cl. 165—134.

Campbell, Donald D. Motorcycle frame structure. 3,366,193, 1–30–68, Cl. 180—32.

Campbell, Donald D., and D. P. Mosteller, to L.C.S. Industries, Inc. Portable hoist. 3,385,401, 5–28–68, Cl. 187—11.

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Campbell, Donald R., G. Fallos, and A. R. Zine, Jr., to Corning Glass Works. Pipe coupling. 3,419,290, 12–31–68, Cl. 285—223.

Campbell, Donn V., to United States of America, Army. Low-loss, controllable parameter, transmission line. 3,413,575, 11–26–68, Cl. 333—81.

Campbell, Dudley H., to Stackpole Carbon Co. Electric switch and variable linear resistor. 3,381,254, 4–30–68, Cl. 338—179.

Campbell, Emerson. Auxiliary apparatus for self-service autowash unit. 3,378,167, 4–16–68, Cl. 222—70.

Campbell, Floyd R., 50% to V. J. Walter. Combination lure carrier and leader dispenser. 3,377,737, 4–16–68, Cl. 43—57.5.

Campbell, Frank, Jr., to Bethlehem Steel Corp. Composite refractory lining for basic oxygen furnace. 3,416,779, 12–17–68, Cl. 266—36.

Campbell, George L., to Garland Steel Co. Spiral pipe machine. 3,417,587, 12–24–68, Cl. 72—50.

Campbell, George W., Jr.: *See*—
Cislak, Francis, McGill, and Campbell. 3,375,255.

Campbell, George W., Jr., to United States Borax & Chemical Corp. Process for producing non-caking borax. 3,383,165, 5–14–68, Cl. 23—59.

Campbell, Gordon T.: *See*—
Mizsak, Joseph. 3,363,232.

Campbell, Gregory R. Pendulum clock mechanism. 3,395,533, 8–6–68, Cl. 58—129.

Campbell, Harold F.: *See*—
Mossburg, Frank B., and Campbell. 3,380,612.

Campbell, Hugh L., to General Electric Co. Electric food cooker. 3,391,271, 7–2–68, Cl. 219—440.

Campbell, J. Allan: *See*—
Babcock, John C., and Campbell. 3,408,370.
Babcock, John C., and Campbell. 3,417,182.

Campbell, J. Allan, and J. C. Babcock, to The Upjohn Co. 7a-methyl-3β-hydroxy-5-androstenes. 3,380,886, 4–30–68, Cl. 167—65.

Campbell, J. Allan, and J. C. Babcock, to The Upjohn Co. 7a-methyl-3,5-androstadiene-3,17-diols and pharmaceutically active compositions thereof. 3,383,282, 5–14–68, Cl. 167—65.

Campbell, J. Allan, and J. C. Babcock, to The Upjohn Co. 7a-methyl-5-androstanes, 3,384,543, 5–21–68, Cl. 167—65.

Campbell, James G., and R. Lurie; said Campbell, assor. to Campbell-Lurie Plastics, Inc. Flower pot. 3,395,486, 8–6–68, Cl. 47—34.

Campbell, James K., to Dow Corning Corp. Process for post-finishing pigmented glass fabric. 3,395,036, 7–30–68, Cl. 117—126.

Campbell, James R.: *See*—
Boynton, William W., and Campbell. 3,410,066.

Campbell, James S. Internal combustion engine. 3,369,530, 2–20–68, Cl. 123—46.

Campbell, James S., to Quality Casting Systems. Sharp cut-off in pressure pour apparatus. 3,369,717, 2–20–68, Cl. 222—399.

Campbell, James S., to Free Piston Development Co., Ltd. Engine-compressor type machine. 3,369,733, 2–20–68, Cl. 230—56.

Campbell, James S. Apparatus for automatically filling a receptacle. 3,380,511, 4–30–68, Cl. 164—155.

Campbell, Jim: *See*—
Raymond, Hilbert W. 3,384,065.

Campbell, John, W. E. Beazley, D. R. Benn, and M. J. Grandin, to Moore Business Forms, Inc. Carbon paper and method for the manufacture thereof. 3,376,154, 4–2–68, Cl. 117—36.4.

Campbell, John A., to United States Steel Corp. Method and apparatus for reducing strip. 3,377,830, 4–16–68, Cl. 72—205.

Campbell, John H., to General Electric Co. Transistor inverter lamp ballasting circuit. 3,396,307, 8–6–68, Cl. 315—221.

Campbell, John R.: *See*—
Loprete, Joseph F., Flanzenbaum, and Campbell. 3,373,940.

Campbell, Joseph, and R. L. Kelly, to E. I. du Pont de Nemours and Co. Continuous yarn windup apparatus. 3,409,238, 11–5–68, Cl. 242—18.

Campbell, Kenneth E.: *See*—
Evancic, Ernest A., and Campbell. 3,388,618.

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Shaffer, George A., Jr., Campbell, and Blust. 3,369,291.

Campbell, Leonard S.: *See*—
Rennie, George S., and Campbell. 3,399,819.

Campbell-Lurie Plastics, Inc.: *See*—
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Campbell, Mark R., and L. A. Wright, to McDonnell Douglas Corp. Thrust reverser. 3,419,218, 12–31–68, Cl. 239—265.37.

Campbell, Paul E., to Phillips Petroleum Co. Bottles with protective cape or cover. 3,402,843, 9–24–68, Cl. 215—100.

Campbell, Peter D., to Rotax Ltd. A.C. operated spark ignition apparatus with compensation for changes in the frequency of the A.C. source. 3,361,932, 1–2–68, Cl. 315—180.

Campbell, Peter S., to English Electric Valve Co. Ltd. Klystron having high frequency radiation means comprising a half-wave short-circuited choke. 3,392,301, 7–9–68, Cl. 315—5.38.

Campbell Products, Inc.: *See*—
Scardina, Vincent J. 3,403,368.

Campbell, Richard A., to United States of America, Army. Interlock circuit for floating power supply. 3,382,374, 5–7–68, Cl. 307—130.

Campbell, Richard A., and C. W. Carruthers, to United States of America, Army. Water cooled waveguide load. 3,369,198, 2–13–68, Cl. 333—22.

Campbell, Richard H., to Webster Electric Co., Inc. Amplifier having feedback bias control circuit. 3,381,235, 4–30–68, Cl. 330—40.
Campbell, Richard H., to Webster Electric Co., Inc. Constant level, photon controlled amplifier circuit. 3,409,840, 11–5–68, Cl. 330—59.
Campbell, Richard H., Jr.: *See*—
Park, Donald M., and Campbell. 3,383,452.
Campbell, Richard H., Jr., and V. F. Braun, to V. F. Braun. Mechanical capture system. 3,386,326, 6–4–68, Cl. 84—345.
Campbell, Richard L. Method of thawing and cooking food. 3,394,007, 7–23–68, Cl. 99—1.
Campbell, Richard N. Vehicle mounted cleaning device. 3,384,920, 5–28–68, Cl. 15—340.
Campbell, Robert E., to British Ropes Ltd. Method of manufacturing plastic monofilament structures. 3,364,289, 1–16–68, Cl. 264—103.
Campbell, Robert E., to British Ropes Ltd. Ropes, strands and cores. 3,395,530, 8–6–68, Cl. 57—153.
Campbell, Robert H.: *See*—
Belak, Steven G., Campbell, Cherry, and Bozzelli. 3,362,800.
Campbell, Robert L., to United Aircraft Products, Inc. Flow distributing means in heat exchangers. 3,407,875, 10–29–68, Cl. 165—174.
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Campbell, Robert W., to Johns-Manville Corp. Pipe apparatus. 3,382,541, 5–14–68, Cl. 18—26.
Campbell, Robert W., to General Motors Corp. Alternating current generator. 3,392,294, 7–9–68, Cl. 310—168.
Campbell, Robert W., to Chevron Research Co. Preparation of thiodisuccinic acid values. 3,399,230, 8–27–68, Cl. 260—537.
Campbell, Ronald H.: *See*—
Obertelli, John D., Campbell, Holmes, and Saunders. 3,393,128.
Campbell, Rouel R., to Mitchell Camera Corp. Kinetograph movement mechanism. 3,389,842, 6–25–68, Cl. 226—69.
Campbell, Scott V., and H. Scharla-Nielsen, to Radiation Inc. Microelectronic circuit packages with improved connection structure. 3,368,114, 2–6–68, Cl. 317—101.
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Coffin, William J., and Hockenbury. 3,368,906.
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Miller, Ralph A. 3,368,907.
Ramsay, Joseph D. 3,362,334.
Campbell, Thomas C., to General Electric Co. Integral spacing rings for annular combustion chambers. 3,369,363, 2–20–68, Cl. 60—39.65.
Campbell, Thomas M., to Esso Research and Engineering Co. Method and system for using the carbon monoxide content of gases. 3,363,993, 1–16–68, Cl. 23—288.
Campbell, Tod W., and F. W. Knoblich, to E. I. du Pont de Nemours and Co. Blends of cellulosic and polypivalolactone staple fibers. 3,379,001, 4–23–68, Cl. 57—140.
Campbell, Trevor G.: *See*—
Anderson, Rodney H., Campbell, Crabb, and Hosoda. 3,378,188.
Campbell, Von C., and W. E. Good, to General Electric Co. Projection system and method. 3,409,735, 11–5–68, Cl. 178—5.4.
Campbell, Walter R., to Harris Trust and Savings Bank. Phenothiazine compositions. 3,361,627, 1–2–68, Cl. 167—53.
Campbell, William B., to General Electric Co. Turbine bucket supporting structure. 3,404,831, 10–8–68, Cl. 230—116.
Campbell, William B., to Lexington Laboratories Inc. Method for controlling the feed of nuclei in the production of crystals by vapor deposition. 3,418,076, 12–24–68, Cl. 23—142.
Campbell, William B., and M. C. Hemsworth, to General Electric Co. Engine supporting structure. 3,398,535, 8–27–68, Cl. 60—226.
Campbell, William E., Jr., to Monsanto Co. Yarn traverse device. 3,401,894, 9–17–68, Cl. 242—43.
Campbell, William L.: *See*—
Garibian, Sarkis K., Campbell, and Hocutt. 3,364,294.
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Campbell, William W., A. H. Pack, and B. Davies. Burned basic refractory. 3,395,031, 7–30–68, Cl. 106—58.
Campen, Kenneth W., to Tecumseh Products Co. Compression relief mechanism. 3,381,676, 5–7–68 ,Cl. 123—182.
Campillo, Carlos C.: *See*—
Zaffaroni, Alejandro, and Campillo. 3,419,470.
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Pall, David B., and Campolong. 3,417,704.
Campolong, Joseph F., to Laboratory for Electronics Inc. Centrifugal pump having thrust balancing means. 3,413,925, 12–3–68, Cl. 103—87.
Camras, Marvin, to IIT Research Institute. Magnetic transducer system. 3,382,325, 5–7–68, Cl. 179—100.2.
Camras, Marvin, to IIT Research Institute. Magnetic transducer head. 3,382,326, 5–7–68, Cl. 179—100.2.
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Camshaft Machine Co.: *See*—
Weisel, Burt W. 3,381,765.
Canada Copper Refiners Ltd.: *See*—
Schloen, John H., and Elkin. 3,389,064.
Canada Iron Foundries Ltd.: *See*—
Maisonneuve, Hubert J. 3,400,769.
Canada Packers Ltd.: *See*—
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Canadian Breweries Ltd.: *See*—
Parsons, Robert H., Kormendy, and Jackson. 3,396,031.
Schaus, Orland O. 3,385,528.
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Canadian Chemical Co. Ltd.: *See*—
Gunning, Harry E. 3,371,024.
Canadian General Electric Co. Ltd.: *See*—
Eastcott, Peter de H. 3,379,390.
Eastcott, Peter de H. 3,389,871.
Eastcott, Peter de H., and Rollwagen. 3,368,132.
Howard, John F., and Lynch. 3,400,235.
Irvine, Stuart. 3,416,124.
MacKay, Ian N. 3,406,091.
Whittier, Angus C. 3,386,886.
Williamson, Dennis F. 3,374,419.
Young, John A. I. 3,406,347.
Canadian Industries Ltd.: *See*—
Bernier, Georges E., Gilchrist, and Pallen. 3,386,928.
Craig, Joseph F. M., and Falconer. 3,369,945.
Falconer, Errol L., and Kelly. 3,397,096.
Gilchrist, Thomas, and Ternbah. 3,364,154.
Heppolette, Robert L., Murdock, and Ternbah. 3,390,122.
Mernieks, Francis. 3,390,762.
Rowlinson, Hugh C. 3,375,192.
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Wood, Herbert H. 3,369,982.
Wood, Herbert H. 3,376,208.
Canadian Ingersoll-Rand Co. Ltd.: *See*—
Clarke, Bruce P. 3,386,549.
Davidson, James C. 3,386,536.
Delcellier, Henri A. 3,392,114.
Delcellier, Henri A. 3,411,721.
Trollope, William G. A. 3,407,904.
Trollope, William G. A. 3,417,843.
Young, Douglas L. C. 3,387,489.
Canadian International Paper Co.: *See*—
Lee, Charles A., and Bartley. 3,399,587.
Lessard, Jean H. 3,400,880.
Pherson, Perry O., Gibson, Watkins, Duke, and Murphy. 3,407,103.
Reid, Kevin W. 3,387,897.
Canadian Marconi Co.: *See*—
Grant, Howard A. 3,400,279.
Henden, Peter J. 3,365,973.
Canadian National Railway Co.: *See*—
Vilagos, Joseph P., and Bowler. 3,381,832.
Canadian Patents and Development Ltd.: *See*—
Brahan, John W. 3,381,143.
Chaklader, Asoka C. D. 3,379,523.
Courtenay, Terence H., Gilbert, and Beaulieu. 3,393,307.
Dawson, Peter S. S. 3,419,473.
Dobrowolski, Jerzy A. 3,393,035.
Farnand, Joseph R., Meadus, and Puddington. 3,401,794.
Gilbert, Reginald L. G. 3,383,915.
Jarlan, Gerard E. 3,883,869.
Jarlan, Gerard E. 3,387,458.
Kenney, John R. 3,366,860.
Kent, George A. 3,411,880.
Kimberley, Henry J., Peterson, and Ringer. 3,361,133.
Kusters, Norbert L., and MacMartin. 3,373,856.
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Murphy, Beverley E. P. 3,414,383.
Pasternack, David S. 3,365,384.
Robinson, Geoffrey C. 3,380,854.
Sirianni, Aurelio F., and Puddington. 3,368,004.
Stedman, Donald F. 3,376,109.
Stedman, Donald F. 3,414,378.
Stevinson, Harry T., Baker, and Paynter. 3,390,846.
Thistle, William G. 3,407,291.
Visman, Jan. 3,366,247.
Westby, Ray L. 3,366,956.
Canadian Technical Tape Ltd.: *See*—
Hirsch, Arthur. 3,410,717.
Canadian Westinghouse Co., Ltd.: *See*—
Anderson, Robert G., and Donald. 3,416,107.
Jewell, George S. 3,385,122.
Jewell, George S., and Koop. 3,366,857.
Canal, Ludwig. Process and device for melting on melting shelves. 3,387,837, 6–11–68, Cl. 263—30.
Canalizo, Carlos R., to Otis Engineering Corp. Gas lift systems and valves. 3,362,347, 1–9–68, Cl. 103—233.
Canalizo, Carlos R. Gas lift valve. 3,375,846, 4–2–68, Cl. 137—155.
Canalizo, Carlos R., and J. V. Fredd, to Otis Engineering Corp. Method and apparatus for transporting fluids. 3,385,382, 5–28–68, Cl. 175—205.
Canarutto, Claudio, to Ing. C. Olivetti & C., S.p.A. Printing device for office machines and data processing equipments. 3,366,045, 1–30–68, Cl. 101—93.
Canciani, Clemente: *See*—
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Cancio, Leopoldo V., to E. I. du Pont de Nemours and Co. Method for producing quality yarn from gel-containing polyamide. 3,405,211, 10–8–68, Cl. 264—210.
Cancrinus, Hendrik, to Inpower Works (Proprietary) Ltd. Torque transmission by inertia. Re. 26,507, 12–17–68, Cl. 74—752.

Cancro, Ciro A., and P. J. Janniche, Jr., to United States of America, National Aeronautics and Space Administration. Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply. 3,390,282, 6–25–68, Cl. 307—260.

Can-Do Products Ltd.: *See*—
Kingsep, Nicholas J. 3,400,664.

Candor, James T.: *See*—
Candor, Robert R. and J. T. 3,405,452.
Candor, Robert R. and J. T. 3,416,334.

Candor, Robert R. and J. T. Laundry drying apparatus or the like using electrostatic method and means. 3,406,462, 10–15–68, Cl. 34—1.

Candor, Robert R. and J. T., to Whirlpool Corp. Washing and/or drying machine. 3,416,334, 12–17–68, Cl. 68—20.

Candy, Charles J. N., to Bell Telephone Laboratories, Inc. Frequency translator. 3,371,229, 2–27–68, Cl. 307—271.

Candy, Charles J. N., to Bell Telephone Laboratories, Inc. Precision timing of signals employing diode-capacitor network with two current sources providing constant conduction ratio for input signals of varying amplitude. 3,393,326, 7–16–68. Cl. 307—269.

Cane, Domenick, to Westinghouse Electric Corp. Integral make-up deaerator for flash evaporator. 3,418,214, 12–24–68, Cl. 202—176.

Cane, Domenick, K. A. Katzor, and T. J. Rabas, to Westinghouse Electric Corp. Multistate flash evaporator with induced jump. 3,398,059, 8–20–68, Cl. 202—173.

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Cane, Philip: *See*—
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Canepa, Agostino, to Ferrotubi S.p.A. Structure with tubular metal elements for covering or separating two superimposed floors of a building. 3,376,919, 4–9–68, Cl. 165—53.

Canepa, William P. Apparatus for adapting slide fasteners to be heat sealed in place. 3,410,745, 11–12–68, Cl. 156—354.

Canevari, Gerard P., and R. J. Fiocco, to Esso Research and Engineering Co. Coalescer and separator for oily water. 3,417,015, 12–17–68, Cl. 210—23.

Canevari, Roger: *See*—
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Canevazzi, Grazinana: *See*—
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Canfield, H. O. Co., Inc., The: *See*—
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Shriver, Harry D. 3,393,439.
Streng, Carl G. 3,390,487.

Canfield, Sheldon A., to Owens-Corning Fiberglas Corp. Method and means for strand dispersal. 3,412,914, 11–26–68, Cl. 226—7.

Canfor, Kenneth R., and D. H. Samson, to Dominion Foundries and Steel, Ltd. Protected load cell. 3,381,511, 5–7–68, Cl. 72—248.

Cangialosi, Francis J. Segmental candle. 3,388,960, 6–18–68, Cl. 431—288.

Canion, Claude. Carving knife for a one-armed person. 3,405,445, 10–15–68, Cl. 30—148.

Cann, Everett D., 40% to W. T. Nelman. Process for regenerating waste liquor for reuse in kraft pulping operation. 3,366,535, 1–30–68, Cl. 162—30.

Cann, Everett D., 40% to W. T. Nelman. Process for the treatment of waste-containing waters. 3,377,271, 4–9–68, Cl. 210—45.

Cann, Everett D., 40% to W. T. Nelman. Process for the treament of waste-containing waters. 3,377,272, 4–9–68, Cl. 210—45.

Cann, Gordon L., to Electro-Optical Systems, Inc. Annular magnetic hall current accelerator. 3,388,291, 6–11–68, Cl. 315—111.

Cann, Gordon L., and R. L. Harder, to Xerox Corp. Electrode structure with buffer coil. 3,413,509, 11–26–68, Cl. 313—161.

Cann, Lyle L., to Chemetron Corp. Closure assembly. 3,366,433, 1–30–68, Cl. 312—290.

Cannaday, Sheridan S., to Physical Sciences Corp. Wire coating apparatus. 3,403,659, 10–1–68, Cl. 118—249.

Cannella, Joseph L., to United States of America, National Aeronautics and Space Administration. Film reader with transparent capstan and U-shaped light conducting rod. 3,365,580, 1–23–68, Cl. 250—227.

Cannelongo, Joseph F., to American Cyanamid Co. Flame-retardant compositions for plastics. 3,370,029, 2–20–68, Cl. 260—28.5

Cannelongo, Joseph F., to American Cyanamid Co. Flame-retardant compositions for plastics. 3,370,030, 2–20–68, Cl. 260—28.5.

Canney, Robert S., to General Electric Co. Removable fuse holder for an instrument transformer. 3,418,615, 12–24–68, Cl. 337—190.

Canning, Chester H., to American Gas & Chemicals, Inc. Leak detecting methods and apparatus. 3,406,017, 10–15–68, Cl. 23—232.

Canning, Michael H., to International Harvester Co. Vehicle power steering system. 3,412,822, 11–26–68, Cl. 180—79.2.

Canning, W., & Co. Ltd.: *See*—
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Canning, Walter L., to Alex F. Walker & Associates, Inc. Stacking devices. 3,379,314, 4–23–68, Cl. 211—49.

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Wines, Warren R., Sturdevant, and Cannizzaro. 3,376,479.

Cannon, Billy P., to Union Camp Corp. Bobbin package. 3,384,228, 5–21–68, Cl. 206—65.

Cannon Camera Co., Inc.: *See*—
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Cannon, Cyril G., B. L. Davies, A. Selwood, and R. A. Williams, to British Nylon Spinners Ltd. Core yarns and a process and apparatus assembly for making them. 3,388,545, 6–18–68, Cl. 57—140.

Cannon, Donald R.: *See*—
Ware, Walter S., and Cannon. 3,377,929.
Ware, Walter S., and Cannon. 3,415,351.

Cannon Instrument Co.: *See*—
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Cannon, James R., to Milliken Tetra Pak, a division of Clemson Industries, Inc. Apparatus for treating polymeric film in an electrostatic field having an adjustable electrode. 3,409,537, 11–5–68, Cl. 204—312.

Cannon, John P., and R. C. Degenfelder, to Plattner Industries, Inc. Automobile jug. 3,393,846, 7–23–68, Cl. 224—42.42.

Cannon, John W., and J. Workings, to The Scam Instrument Corp. Logic circuit board matrix having diode and resistor crosspoints. 3,373,406, 3–12–68, Cl. 340—166.

Cannon, Lloyd M., to Westinghouse Electric Corp. Refrigerator construction. 3,405,986, 10–15–68, Cl. 312—214.

Cannon Mills Co.: *See*—
Kiser, George L. 3,362,049.
Williams, Gilmer A. 3,366,146.

Cannon, Paul L., Jr.: *See*—
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Cannon, Peter, W. R. Grams, and W. L. Mowrey, to General Electric Co. Apparatus for holding electrically non-conductive material and improving electron beam cutting thereof. 3,417,222, 12–17–68, Cl. 219—121.

Cannon, Vernon: *See*—
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Cannon, William D., to The Western Union Telegraph Co. Method and means for correcting amplitude and delay distortion in a transmission path. 3,400,329, 9–3–68, Cl. 324—57.

Cannon, William D., to The Western Union Telegraph Co. Method and means for measuring and correcting delay and attenuation in a transmission channel. 3,404,338, 10–1–68, Cl. 324—57.

Canny, Floyd H.: *See*—
Moshier, Edson G., and Canny. 3,396,828.

Canon Camera Kabushiki Kaisha: *See*—
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Canoy, Albert G. Method and apparatus for low temperature branding of animals. 3,411,483, 11–19–68, Cl. 119—1.

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Cantatore, Giuseppe, to Montecatini Edison S.p.A. Dyeable polyolefin textile fibers containing amine condensates of improved thermal stability. 3,363,030. 1–9–68, Cl. 260—897.

Canteen Corp.: *See*—
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Hendricks, Roger J., and Piersma. 3,412,496.
Pearl, Donald C. 3,400,861.

Cantella, Michael J., to United States of America, Navy. Electrical spatial discrimination technique for image scanning sensors. 3,409,789, 11–5–68, Cl. 328—112.

Canteloube, Andre, and I. Taverna. Finned heat exchanger. 3,380,518, 4–30–68, Cl. 165—171.

Canter, Carl R.: *See*—
Rytter, Edward A., and Canter. 3,419,500.

Canter, Frank C., and M. A. Perry, to Eastman Kodak Co. Conversion of aldehydes to ketones. 3,384,668, 5–21–68, Cl. 260—593.

Canter, James A., to General Motors Corp. Speed control circuit for single phase alternating current induction motors. 3,399,333, 8–27–68, Cl. 318—227.

Canter, William B., and R. N. Suiter, to Dan River Mills, Inc. Cellulose modification with solution comprising a methylolated carbamate and a methylolated triazone. 3,402,989, 9–24–68. Cl. 8—116.3.

Canti, Gustavo: *See*—
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Cantor, Abraham, and W. Schmidt, to West Laboratories, Inc. Detergent-hydriodic acid compositions. 3,367,877, 2–6–68, Cl. 252—106.

Cantor, Harold: *See*—
Soble, Abraham, and Cantor. 3,413,977.

Cantor, Paul A.: *See*—
Kluge, Herman D. Krug, and Cantor. 3,377,377.
Nuttall, Fleet E., and Cantor. 3,398,834.

Cantrall, Edward W., R. B. Conrow, and S. Bernstein, to American Cyanamid Co. 1-haloestra-1,3,5(10)-trienes. 3,377,362, 4–9–68, Cl. 260—397.4.

Cantrel, Kenneth E.: *See*—
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Canup, Robert E.: *See*—
Aiken, Robert W., and Canup. 3,394,331.
Aiken, Robert W., Canup, and Galaspie. 3,407,795.

Canut, Augustin L. Well cementing method. 3,372,751, 3–12–68, Cl. 166—27.

Capano, Vincent J., to Sperry Rand Corp. Method of electrically connecting and hermetically sealing packages for microelectronic circuits. 3,381,372, 5–7–68, Cl. 29—627.

Capadalis, Custer E. Material handling means. 3,411,798, 11–19–68 Cl. 280—5.32.

Caparone, Michael J., and T. J. Dykzeul, to Robertshaw Controls Co. Pressure regulator. 3,367,361, 2–6–68, Cl. 137—505.38.

Caparone, Michael J., and T. J. Dykzeul, to Robertshaw Controls Co. Pressure regulator. 3,369,562, 2–20–68, Cl. 137—505.38.

Capaul, Marcel, K. Matsuya, and M. Edinger, to Inventa A.G. fur Forschung und Patentverwertung. Process for the manufacture of hydroxylamine sulfate solutions. 3,416,886, 12–17–68, Cl. 23—117.

Cape, Francis B., F. E. Bobo, Jr., and R. M. Matthews, to Chadbourn Gotham, Inc. Covered stretch yarn and method for producing. 3,387,451, 6–11–68, Cl. 57—163.

Capecci, Joseph R., to Union Tank Car Co. Process of removing impurities with a mixture of cation and anion resins. 3,377,270, 4–9–68, Cl. 210—37.

Capell, Sidney E., to General Industries Co. Core joint having locking wedges. 3,365,687, 1–23–68, Cl. 336—210.

Capellari, Elio, to Enrico Boselli S.p.A. Multiposition rotary selector switch. 3,366,751, 1–30–68, Cl. 200—11.

Capellaro, Natale, to Ing. C. & C. Olivetti, S.p.A. High speed set up device for a ten key adding or like machine. 3,417,917, 12–24–68, Cl. 235—60.

Capelo da Fonseca, Franco F., to Companhia Uniao Fabril, S.A.R.L. Device for continuous liquid specific gravity measuring. 3,385,114, 5–28–68, Cl. 73—434.

Caperton, Charles B. Sewer rodding equipment. 3,399,416, 9–3–68. Cl. 15—104.3.

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Dewey, Dwight N., and Stacherl. 3,407,451.
Kane, Albert J. 3,370,332.

Capita, Emil R. Centrifugal furnace. 3,377,417, 4–9–68, Cl. 13—1.

Capita, Emil R. Vapor deposition apparatus including centrifugal force substrate-holding means. 3,384,049, 5–21–68. Cl. 118—49.5.

Capita, Emil R. Vapor deposition apparatus. 3,407,783, 10–29–68, Cl. 118—49.5.

Capita, Emil R. Vapor plating apparatus including rotatable substrate support. 3,408,982, 11–5–68, Cl. 118—49.5.

Capitol Machine Co., The: *See*—
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Capitol Tool and Mfg. Co., Inc.: *See*—
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Caplan, Allen E. Motorized stair climbing shopping cart. 3,370,664, 2–27–68, Cl. 180—9.22.

Caplan, David M., to W. J. Volt Rubber Corp. Tether ball. 3,397,887, 8–20–68, Cl. 273—58.

Caplan, Isadore, ½ to Markin Tubing, Inc. Method for making umbrella tubes. 3,376,632, 4–9–68, Cl. 29—417.

Caplan, Richard E., R. H. Rosenthal, and R. W. Clope, to The Dexter Corp. Liquid coating composition comprising a vinyl chloride dispersion resin, a vinyl chloride copolymer solution resin and acrylic resin in an organic vehicle and metal coated therewith. 3,418,274, 12–24–68, Cl. 260—41.

Caple, John W. Trailer closure manufacturing methods. 3,389,670, 6–25–68, Cl. 113—116.

Caplet, Thomas B.: *See*—
Shoemaker, Stephen P., Jr., Koby, and Caplet. 3,387,474.

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Ferlazzo, Natale, Caporali, Giordano, and Marinozzi. 3,370,083.
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Capowski, Julius, and H. J. Andress, Jr., to Mobil Oil Corp. Liquid hydrocarbon fuels containing a quaternary ammonium compound. 3,387,954, 6–11–68, Cl. 44—72.

Capozzi, Joseph, and A. Gatta. Scaffold holder. 3,372,771, 3–12–68. Cl. 182—229.

Cappa, Giulio: *See*—
Barassi, Carlo, and Cappa. 3,381,734.

Cappadona, William L., to United States of America, Air Force. Thin film range gated filter circuit. 3,388,394, 6–11–68, Cl. 343—7.7.

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De Feo, Richard J., Cahn, Carr, Long, Cappel, and Cecchetti. 3,412,172.

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Zeamer, Aaron C., and Cappotto. 3,363,738.

Cappotto, Samuel D., to SCM Corp. Keylever touch control with compensating means directly proportional to keylever touch. 3,409,111, 11–5–68, Cl. 197—33.

Cappotto, Samuel D., and C. P. Anderson, to SCM Corp. Typewriter carriage control. 3,381,791, 5–7–68, Cl. 197—64.

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Capps, Ralph C., and L. Scoppe, to Parke, Davis & Co. Narrow ware loom shuttle. 3,407,849, 10–29–68, Cl. 139—201.

Capps, Randolph P., to Multi-Zoner, Inc. Distributing damper assembly for plural zone heating. 3,389,858, 6–25–68, Cl. 237—2.

Cappucci, Joseph D., to Merrimac Research and Development, Inc. Coaxial hybrid structure employing ridged waveguide for reducing resonant modes. 3,364,444, 1–16–68, Cl. 333—11.

Cappuccio, Vittorio, and S. Algieri, to Montecatini Edison S.p.A. Synthetic polymer compositions having a particular receptivity to dyestuffs and a process for preparing them. 3,374,215, 3–19–68, Cl. 260—93.7.

Capra, George C., to Pyrofilm Resiator Co., Inc. Speed reducing transmission with intermittent drive. 3,394,782, 7–30–68, Cl. 192—3.5.

Capra, Ottavio A. Float means for flush tanks. 3.387.308, 6–11–68, Cl. 4—18.

Capra, Uberto, to Ceccato & C. S.p.A. Car washing apparatus. 3,368,572, 2–13–68, Cl. 134—123.

Caprara, Pierre. Water resistant watch. 3,299,525, 9–3–68, Cl. 58—90.

Caprara, Pierre. Watch case. 3,395,531, 8–6–68, Cl. 58—90.

Capraro, Paul, and D. Panaccione; said Panaccione, assor. to said Capraro. Hygienic washstand. 3,398,408, 8–27–68, Cl. 4—7.

Caprio, Lawrence A., and I. Nesson, to Louis M. Gerson Co., Inc. Mason's block. 3,408,742, 11–5–68, Cl. 33—85.

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Capuano, Italo A., to Union Carbide Corp. Continuous polarographic method. 3,410,763, 11–12–68, Cl. 204—1.

Caputo, Arnold P., M. Schupack, and A. D. McDonald, to Intercon Research, Inc. Masonry walls and partitions and method of fabricating same. 3,416,276, 12–17–68, Cl. 52—293.

Caputo, Carmelo, to Carl Schenck, Maschinenfabrik G.m.b.H. Gyroscopic device adapted to provide oscillating stresses having adjustable amplitude and frequency particularly for use as fatigue testing. 3,407,648, 10–29–68, Cl. 73—67.3.

Caputo, Dante A. Sliding-action, multiple-contact, multiple-initial-condition relay. 3,378,796, 4–16–68, Cl. 335—72.

Caputo, Dante A. Sliding-action, multiple-contact, multiple-initial condition relay. 3,378,797, 4–16–68, Cl. 335—72.

Caputo, William R., to Westinghouse Electric Corp. Speed-controlled servo-positioner. 3,376,486, 4–2–68, Cl. 318—257.

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Carabateas, Philip M., to Sterling Drug Inc. N,N'-alkylene-bis(azidoacetamides). 3,382,256, 5–7–68, Cl. 260—349.

Carabateas, Philip M., to Sterling Drug Inc. 2-tertiary-aminomethyl-N-(lower-alkyl) anilines. 3,383,415, 5–14–68, Cl. 260—570.9.

Carabateas, Philip M., to Sterling Drug Inc. 1,4-benzodiazepine derivatives. 3,384,635, 5–21–68, Cl. 260—239.

Carabateas, Philip M., to Sterling Drug Inc. 4-(cyclopropylmethyl) - 3H - 1,4-benzodiazepine-2,5(1H,4H)-dione. 3,415,814, 12–10–68, Cl. 260—239.3.

Caracciolo, Edward A., to General Micro-Electronics Inc. Method of packaging microelectronic devices. 3,405,442, 10–15–68, Cl. 29—627.

Caracristi, Virginius Z., to Combustion Engineering, Inc. Steam generation with reheat temperature control. 3,362,384, 1–9–68, Cl. 122—479.

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Caraisco, George F., and V. P. Elischer, to United States of America, Atomic Energy Commission. Semiconductor bead cutter. 3,367,223, 2–6–68, Cl. 83—389.

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Carbone, Robert J., and P. R. Longaker, to Massachusetts Institute of Technology. Interferometric fluorescent lifetime measuring arrangement. 3,381,136, 4–30–68, Cl. 250—220.
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Carboni, Ralph J. Golf swing indicator. 3,408,076, 10–29–68, Cl. 273—186.
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Carlson, Adolph C., and Rutt. 3,394,501.
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Dooley, Peter C., Jr. 3,360,890.
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Marin, Glenn R. 3,378,622.
McMullen, John C. 3,375,073.
McMullen, John C. 3,415,940.
Mikulec, Anthony R. 3,372,305.
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Card, Joseph L., and W. E. Passons. Fringe tufting machine. 3,392,755, 7–16–68, Cl. 139—118.
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Card, Roy T., to Lewis Card & Co., Inc. Needle plate for tufting machine. 3,398,708, 8–27–68, Cl. 112—79.
Card, Theodore B., to Thiokol Chemical Corp. Nozzle cooling and thrust vector control apparatus. 3,374,954, 3–26–68, Cl. 239—127.1.
Cardan, Bernhard. Building construction. 3,418,768, 12–31–68, Cl. 52—167.
Cardarelli, Nathan F., to The B. F. Goodrich Co. Method for dispersing toxicants to kill disease-spreading water-spawned larva, trematodes, mollusks and similar organisms; and products used in such method. 3,417,181, 12–17–68 Cl. 424—229.
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Cardillo, Joseph S., and E. Jonsson, to White Motor Corp. Radial piston pump. 3,418,937, 12–31–68, Cl. 103—39.
Cardin, Wilfred W., to Texas Instruments Inc. Switch with improved mounting for thermostatic element. 3,365,558, 1–23–68, Cl. 200—138.
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MacDonald, Robert D. 3,388,500.
Cardinal Surveys Co.: *See*—
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Cardone, Vincent P., 49% to S. Mikelberg. Glare reduced light ray screen. 3,402,981, 9–24–68, Cl. 350—276.
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Cardwell, Lloyd. 3,397,652.
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Carel, Alfred B.: *See*—
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Perkins, Gerald, Jr., and Carel. 3,398,512.
Carel, Alfred B., to Continental Oil Co. Sample vaporizing apparatus. 3,389,538, 6–25–68, Cl. 55—386.
Carel, Alfred B., and G. Perkins, Jr., to Continental Oil Co. Movable oven assembly. 3,419,255, 12–31–68, Cl. 263—6.
Carella, Richard F. Archery bow sight assembly. 3,365,800, 1–30–68, Cl. 33—46.
Carella, Richard F., to General Motors Corp. Handle assembly. 3,383,945, 5–21–68, Cl. 74—547.
Caretto, Antoni C., and F. W. Koepke, Jr., to Ajem Laboratories, Inc. Article feeding apparatus. 3,369,650, 2–20–68, Cl. 198—219.
Carey, Alfred W., Jr., and J. P. Perr, to Cummins Engine Co., Inc. Fuel injection mechanism. 3,412,717, 11–26–68, Cl. 123—32.
Carey, Eldon W. Insignia positioning device. 3,376,651, 4–9–68, Cl. 33—180.
Carey, Kenneth B., and R. D. Goddard, to Esso Production Research Co. Short-term multicycle combustion stimulation of oil wells. 3,394,759, 7–30–68, Cl. 166—39.
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Carey, Philip, Mfg. Co.: *See*—
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Carey, Thomas P., and T. T. Hadeler, to United States of America. Regulating valve for ejection seat trainer. 3,378,939, 4–23–68, Cl. 35—12.
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Oldberg, Sidney, and Carey. 3,414,292.
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Carino, Anthony J. Hold-down device. 3,387,813, 6–11–68, Cl. 248—361.
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Cariou, Frank E., W. E. Loeb, and D. J. Valley, to Union Carbide Corp. Thin film capacitors. 3,397,085, 8–13–68, Cl. 117—217.
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Armbrust, Bernard F., Jr., and Carithers. 3,410,276.
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Carle, Robert A., to Phillips Petroleum Co. Carton blank. 3,409,204, 11–5–68, Cl. 229—36.
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Carleton, Mike D., deceased (by I. H. Carleton, administratrix), to Dresser Industries, Inc. Downhole drilling motor having an improved shaft seal. 3,365,202, 1–23–68, Cl. 277—73.

Carleton, Paul D. Combustion driven pump. 3,361,338, 1–2–68, Cl. 230—56.

Carley, David R., and J. H. Dunn, to Ethyl Corp. Aluminum plating employing amine complex of aluminum hydride. 3,375,129, 3–26–68, Cl. 117—107.2.

Carley, David R., and J. H. Dunn, to Ethyl Corp. Encapsulation of light metal hydrides as rocket propellants. 3,376,173, 4–2–68, Cl. 149—5.

Carley, Emile Lucille, to National Distillers and Chemical Corp. Method of laminating an extruded plastic sheet. 3,416,986, 12–17–68, Cl. 156—244.

Carley, James A., to Los Angeles Miniature Products, Inc. Filament display device including a rigid, light-absorbing, support panel. 3,416,020, 12–10–68, Cl. 313—109.5.

Carli, Alvin J., to Consolidated Electronics Industries Corp. Centrifugal switch mechanism. 3,366,757, 1–30–68, Cl. 200—80.

Carli, Alvin J., to Consolidated Electronics Industries Corp. Ratchet relay with dual action pawls. 3,412,350, 11–19–68, Cl. 335—123.

Carlick, Daniel J., A. H. Gruben, S. B. McFarlane, Jr., and W. J. Kissel, to Sun Chemical Corp. Imide terminated polyamide resins useful in inks. 3,383,391, 5–14–68, Cl. 260—326.

Carlile, Alfred E., to Talon, Inc. Method and apparatus for gapping slide fastener chain. 3,391,441, 7–9–68, Cl. 29—408.

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Carlin, Benson, to Air-Shields, Inc. Equipment for use in ultrasonic eye examination. 3,371,660, 3–5–68, Cl. 128—2.

Carlin, Edgar M., and D. A. Dean, to Exotronic Systems Ltd. Hydraulic muscle strength developing apparatus. 3,369,403, 2–20–68, Cl. 73—379.

Carlin, Joseph E., to General Dynamics Corp. Tube flaring apparatus. 3,411,338, 11–19–68, Cl. 72—293.

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Hechenbleikner, Ingenuin, Dalter, and Hussar. 3,413,264.
Hechenbleikner, Ingenuin, and Molt. 3,382,301.
Weisfeld, Lewis B., and Panse. 3,392,179.

Carlisle, Edward F. Easy, quick change roll roller. 3,362,653, 1–9–68, Cl. 242—55.2.

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Carliss, Oswald S., and E. A. Horton, to Eaton Yale & Towne, Inc. Carton clamps. 3,370,880, 2–27–68, Cl. 294—87.

Carlock, Frank R., and W. R. Lamourenx, to International Business Machines Corp. Digital cathode ray tube deflection system. 3,403,286, 9–24–68, Cl. 315—18.

Carlos, Donald D., and J. M. Divijak, Jr., to Sinclair Research, Inc. Reclamation of used lubricating oils by sulfuric acid treatment. 3,376,216, 4–2–68, Cl. 208—179.

Carlos, James A. Combined scraper and brush cleaning tool. 3,398,419, 8–27–68, Cl. 15—111.

Carlos, James A. Shoe horn. 3,410,463, 11–12–68, Cl. 223—119.

Carlsen, Albert, and A. J. Evans. Apparatus for comminuting and drying cooked food products. 3,391,631, 7–9–68, Cl. 99—246.

Carlsen, Ernest N.: *See*—
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Carlsen, Helmuth W., to Aktiebolaget Interconsult. Apparatus for unloading pulverulent bulk cargo from ships. 3,385,635, 5–28–68, Cl. 302—53.

Carlsohn, Franz: *See*—
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Carlson, Adolph C., and R. D. Rutt, to The Carborundum Co. System for controlling grinding pressure. 3,394,501, 7–30–68, Cl. 51—138.

Carlson, Arthur R., and R. L. Dearle, to Die Casters Proprietary Ltd. Latch operating mechanisms. 3,381,508, 5–7–68, Cl. 70—216.

Carlson, Burnette J., to TRW Inc. Ball screw actuator. 3,393,576, 7–23–68, Cl. 74—424.8.

Carlson, Carl B., R. S. Sharp, and J. E. Wollum, to Burroughs Corp. Data communication system. 3,390,379, 6–25–68, Cl. 340—172.5.

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Carlson, Carl E., to Allis-Chalmers Mfg. Co. Corn harvester. 3,404,516, 10–8–68, Cl. 56—18.

Carlson, Chesley F. Photographic copyboard. 3,400,630, 9–10–68, Cl. 88—24.

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Carlson, Don B., and T. B. Haufe, to Universal Oil Products Co. Process for separating ethylbenzene from C_8 aromatic hydrocarbons by super-distillation with vapor compression-reboiler heat exchange. 3,414,484, 12–3–68, Cl. 203—26.

Carlson, Donald A., to Basic Products Corp. Inverter circuit having improved control frequency compensating means for producing a regulated A.C. output. 3,376,493, 4–2–68, Cl. 321—45.

Carlson, Donald W., to General Motors Corp. Power transmission. 3,388,669, 6–18–68, Cl. 103—38.

Carlson, Drexel T.: *See*—
Zebarth, Ralph S., and Carlson. 3,408,057.

Carlson, Edward R., to The Presray Corp. Sealable closure. 3,397,490, 8–20–68, Cl. 49—482.

Carlson, Elmer V., to Industrial Research Products. Electroacoustic transducer. 3,413,424, 11–26–68, Cl. 179—115.

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Johnson, Kenneth D., and Carlson. 3,384,138.
Johnson, Kenneth D., and Carlson. 3,404,686.

Carlson, Emil H., to Monsanto Co. Aryl ferrocene antioxidants in polyphenyl oxa and thia ether functional fluids. 3,383,314, 5–14–68, Cl. 252—46.4.

Carlson, Ernest, and K. C. Dettmer, to Ex-Cell-O Corp. Electrochemical machining apparatus for internal surface deburring. 3,410,781, 11–12–68, Cl. 204—224.

Carlson, Ernest C., to International Harvester Co. Hydraulic indicator for a bucket. 3,418,966, 12–31–68, Cl. 116—124.

Carlson, Gerald J., to General Electric Co. Method and apparatus for indicating the aim of projection-type lamps. 3,383,977, 5–21–68, Cl. 88—14.

Carlson, Gordon R. Apparatus for chlorination of disposal from a series of toilet bowls. 3,874,490, 8–26–68, Cl. 4—115.

Carlson, Harold G.: *See*—
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Carlson, Harr Y. W., to Simpson Timber Co. Air ventilating panel structure and an air control valve therefor. 3,411,426, 11–19–68, Cl. 98—41.

Carlson, John G., to United States of America, Commerce. High-vacuum baffle using cooled-chevron-shaped members. 3,410,100, 11–12–68, Cl. 62—55.5.

Carlson, John H., and H. A. Robinson, to United Shoe Machinery Corp. Coarse-fine control knob assemblies. 3,385,116, 5–28–68, Cl. 74—10.54.

Carlson, John I., to Carlson Tool & Machine Co. Bristle magazine for brushmaking machine. 3,367,719, 2–6–68, Cl. 300—7.

Carlson, John L.: *See*—
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Carlson, John W., to Speed-O-Print Business Machines Corp. Photocopy machine with fluid bath and liquid reservoir package elevator. 3,405,625, 10–15–68, Cl. 95—89.

Carlson, Keith L., to Seelye Plastic-Fab, Inc. Movable work etcher. 3,405,720, 10–15–68, Cl. 134—140.

Carlson, Melvin J., to United States of America, Army. Method for pulse forming. 3,417,456, 12–24–68, Cl. 29—470.1.

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Carter, Mary E., and Carlson. 3,366,607.
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Carlson, Otto K., and J. A. Price, to FMC Corp. Organoantimony oxides and sulfides as polycondensation catalysts. 3,415,787, 12–10–68, Cl. 260—75.

Carlson, Paul J., to Motorola, Inc. Amplifier circuit with semiconductor device. 3,418,593, 12–24–68, Cl. 330—40.

Carlson, Paul O., and E. W. Michael, to General Foods Corp. Beverage mix and process. 3,397,068, 8–13–68, Cl. 99—78.

Carlson, Ray L. Method of making and reconditioning ball valves. 3,400,440, 9–10–68, Cl. 29—157.1.

Carlson, Raymond H., to Textron Industries, Inc. Method of making serrated-head blanks for fasteners. 3,384,911, 5–28–68, Cl. 10—10.

Carlson, Raymond T. Table leg attaching means. 3,409,258, 11–5–68, Cl. 248—188.

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Carlson, Robert L., to W. H. Miner, Inc. Cushioning device. 3,368,697, 2–13–68, Cl. 213—40.

Carlson, Robert L., to W. H. Miner, Inc. Damped spring means. 3,371,442, 3–5–68, Cl. 42—74.

Carlson, Robert L., to W. H. Miner, Inc. Draft gear. 3,379,917, 4–23–68, Cl. 213—22.

Carlson, Robert L., to W. H. Miner, Inc. Coupler device. 3,397,798, 8–20–68, Cl. 213—22.

Carlson, Robert L., to W. H. Miner, Inc. Damped spring. 3,399,880, 9–3–68, Cl. 267—1.

Carlson, Robert L., and J. F. Marquardt, to International Harvester Co. Steering control system. 3,370,422, 2–27–68, Cl. 60—52.

Carlson, Ronald E. Spray gun for applying a two component mixture. 3,417,923, 12–24–68, Cl. 239—112.

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Carlson, Ronald J., C. C. Simons, and R. L. Bradford, to Westinghouse Electric Corp. Explosive tube welding device. 3,402,870, 9–24–68, Cl. 228—3.

Carlson, Ronald J., and C. C. Simons, to Basic Inc. Electric resistance heater and method of making. 3,404,202, 10–1–68, Cl. 264—84.

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Hazelton, Harold J. 3,416,262.
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Carlson, Victor G. Contour level. 3,377,714, 4–16–68, Cl. 33—206.

Carlsson, Arent G., to Aktiebolaget Bofors. Device for feeding cartridges deposited in a twin cartridge magazine of a gun. 3,369,454, 2–20–68, Cl. 89—33.

Carlsson, Bengt, and B. Hedin, to Aktiebolaget Motala Verkstad. Feeding and discharging arrangement for multilayer presses. 3,398,844, 8–27–68, Cl. 214—16.6.

Carlsson, Bengt J., and N. E. E. Book, to Aktiebolaget Motala Verkstad. Device for obtaining a simultaneous movement and balancing of the press-platens in a multi-platen hot press. 3,361,056, 1–2–68, Cl. 100—200.

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Carlstedt, Rahnar L., to Kennametal, Inc. Guide arrangement for relatively moveable parts. 3,377,685, 4–16–68. Cl. 29—200.

Carlston, Earl F., to Chevron Research Co. Copolymerization of unsaturated polyesters, epoxide resins, and polyamines. 3,383,434, 5–14–68, Cl. 260—835.

Carlström, Börge I., A. Saarnak, and B. A. L. Ekedahl, to Aktiebolaget Hoganasmetoder. Plastic tubes. 3,406,724, 10–22–68, Cl. 138—137.

Carlström, Roland. Device in loading pallets. 3,401,651, 9–17–68, Cl. 108—51.

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Carlton, Lewis M.: *See*—
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Carlton, Stuart S., and B. C. Raynes, ½ to Rand Development Corp., and ½ to United States of America, Interior. Process using coal in sewage treatment. 3,401,114, 9–10–68, Cl. 210—30.

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Moodie, Ernest W., and Carlyle. 3,382,340.

Carlyon, Richard A., Jr., to Sta-Soil Corp. Agricultural apparatus. 3,387,827, 6–11–68, Cl. 259—36.

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Carman, Robert R., and S. J. Pipitone, to Goodyear Aerospace Corp. Collapsible dish reflector. 3,397,399, 8–13–68, Cl. 343—915.

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Carmichael, Keith S., to E. I. du Pont de Nemours and Co. Heat shrinking apparatus. 3,397,465, 8–20–68, Cl. 34—225.

Carmichael, Thomas, and D. U. Howard. Reserve fuel supply systems. 3,390,698, 7–2–68, Cl. 137—567.

Carmichael, Thomas, and D. U. Howard. Vehicle flush toilet. 3,418,664, 12–31–68, Cl. 4—115.

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Carmichael, Walter C., to American Optical Corp. Spectacle supported pivoted auxiliary eye protectors. 3,413,057, 11–26–68, Cl. 351—47.

Carmichael, Walter C., to American Optical Corp. Spectacle bridge structure with integral nose grip and rearwardly disposed recesses. 3,415,596, 12–10–68, Cl. 351—131.

Carmody, John M., to Republic Packaging Corp. Cushioning unit. 3,404,826, 10–8–68, Cl. 229—14.

Carmody, John M., to Republic Packaging Corp. Corner cushions. 3,404,827, 10–8–68, Cl. 229—14.

Carmon, Richard L., to Michigan Dynamics, Inc. Centrifugal purifier. 3,385,517, 5–28–68, Cl. 233—2.

Carmon, Richard L., to Michigan-Dynamics, Inc. Automatic fluid bypass sensing, actuating, and indicating system. 3,411,272. 11–19–68, Cl. 55—274.

Carnall, Edward, Jr., S. E. Hatch, L. S. Ladd, and W. F. Parsons, to Eastman Kodak Co. Magnesium fluoride optical element. 3,365,271, 1–23–68, Cl. 23—88.

Carnall, Edward, Jr., and S. E. Hatch, to Eastman Kodak Co. Process of hot pressing magnesium oxide infrared transmitting optical elements. 3,402,226, 9–17–68, Cl. 264—1.

Carnall, Edward, Jr., and D. W. Roy, to Eastman Kodak Co. Method of forming zinc oxide infrared transmitting optical element. 3,416,907, 12–17–68, Cl. 65—32.

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Carney, Richard W. J., H. M. Blatter, and G. de Stevens, to Ciba Corp. N-substituted bicyclic azacycles. 3,385,850, 5–28–68, Cl. 260—240.7.

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Carniol, Bohdan, and R. Styblo, to Tesla, narodin podnik. Circuit arrangement for temperature measurement. 3,398,579, 8–27–68, Cl. 73—342.

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Caron, Philip E., and G. D. Allen, to Weyerhaeuser Co. Reinforced moldable wood fiber mat and method of making the same. 3,367,820, 2–6–68, Cl. 156—242.

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Carpenter, Hubert J., and K. L. Dunn, to Carpenter Mfg. Co., Inc. Flat multi-conductor stripping apparatus. 3,385,140, 5–28–68, Cl. 81—9.51.

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Carpenter, James H., to Carpco Research & Engineering, Inc. Magnetic separator. 3,375,925, 4–2–68, Cl. 209—214.

Carpenter, James H., Jr., H. F. Bottorf, Jr., and J. E. Bowling, Jr., to The Pangborn Corp. Assembly for transferring articles to a treating area. 3,390,488, 7–2–68, Cl. 51—14.

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Carpenter, William T., to Burlington Industries, Inc. Process for treating textile material sequentially in a series of liquid treatments. 3,409,919, 11–12–68, Cl. 8—152.

Carpenter, William T. Power-operated crutch. 3,416,546, 12–17–68, Cl. 135—49.

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Carr, Charles J. Circulating stabilizer-reamer and bumper. 3,371,729, 3–5–68, Cl. 175—298.

Carr, Charles J., and M. D. Hughes. Well drilling impact tool and apparatus. 3,400,772, 9–10–68, Cl. 175—92.

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Carr, Donald R., and A. A. Braccini, to Whittaker Corp. Demountable and portable antenna constructions. 3,377,595, 4–9–68, Cl. 343—713.

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Carr, Louis E., to Westinghouse Air Brake Co. Hydraulic dampening device. 3,376,958, 4–9–68, Cl. 188—97.

Carr, Norman L., S. J. Kramer, and D. L. Stahlfeld, to Gulf Research & Development Co. Thermal hydrodealkylation with large recycle for heat sink. 3,363,019, 1–9–68, Cl. 260—672.

Carr, Norman L., and R. E. Peterson, to Gulf Research & Development Co. Thermal hydrodealkylation process. 3,374,280, 3–19–68, Cl. 260—672.

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Carr, Robert D., to Allied Chemical Corp. Radiation sensitive speed measuring device. 3,408,500, 10–29–68, Cl. 250—219.

Carr, Roman R. Composite sampler. 3,412,612, 11–26–68, Cl. 73—421.

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Tulagin, Vsevolod, and Carreira. 3,384,565.
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Carroll, John F., Jr., and R. C. Gotham, to Eastman Kodak Co. Magnetic recording system having an operational environment of low relative humidity. 3,380,043, 4–23–68, Cl. 340—174.1.
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Carson, Samuel C., to Imperial Chemical Industries Ltd. Manufacture of hydrogen fluoride. 3,404,953, 10–8–68, Cl. 23—153.
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Carter, Belton, Jr. Retractable mirror for motor vehicles. 3,377,880, 4–16–68, Cl. 74—491.
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Carter, Elbert P., to E. I. du Pont de Nemours and Co. Method for unwinding rolls. 3,396,917, 8–13–68, Cl. 242—55.
Carter, Ernest P., R. P. Bell, Jr., and A. P. Carroll, Jr., to Monsanto Co. Apparatus for detecting splices and breaks in filaments and fibers. 3,395,258, 7–30–68, Cl. 200—61.18.
Carter, Ernest P., P. R. Cox, Jr., and W. E. Lanier, to Monsanto Co. Mist spinning. 3,415,922, 12–10–68, Cl. 264—176.
Carter, Franklin T. Truck body securing means. 3,381,995, 5–7–68, Cl. 296—35.
Carter, George A. Tomato coring machine. 3,387,639, 6–11–68, Cl. 146—52.
Carter, Giles F., to E. I. du Pont de Nemours and Co. Chromized metal substrate. 3,403,988, 10–1–68, Cl. 29—196.6.
Carter, Glenn W., to Dale Electronics, Inc. Method and apparatus for testing the resistance characteristics of self-heated electrical resistors. 3,414,811, 12–3–68, Cl. 324—62.
Carter, Harry J., to FMC Corp. Twist tester. 3,377,853, 4–16–68, Cl. 73—160.
Carter, Harry T., and D. J. Hicks. Appliance frame engagement construction. 3,363,948, 1–16–68, Cl. 306—17.
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Carter, Harry V., to Perkin-Elmer Ltd. Chromatograph having a heated enclosure. 3,403,545, 10–1–68, Cl. 73—23.1.
Carter, Henry G., Jr., and J. H. Gifford, to Westinghouse Electric Corp. Flat-pack lead bending device. 3,416,348, 12–17–68, Cl. 72—220.
Carter, Herbert D., to Alkaline Batteries Ltd. Alkaline storage cell having silicate dissolve in the electrolyte. 3,418,166, 12–24–68, Cl. 136—24.
Carter, Howard J., to Interstate Electronics Corp. Oceanographic apparatus. 3,397,573, 8–20–68, Cl. 73—170.
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Carter, James C. 3,383,116.
Carter, J. Warne. Apparatus for making laminated webs of filamentary reinforcing material. 3,414,453, 12–3–68, Cl. 156—426.
Carter, Jack, M. Cunliberti, and J. E. Scott, to Owens-Illinois, Inc. Apparatus for supporting and glazing glass articles. 3,418,099, 12–24–68, Cl. 65—284.
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Carter, James C., to The J. C. Carter Co. Submerged pumping system. 3,369,715, 2–20–68, Cl. 222—333.
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Smith, Dwight K., and Carter. 3,363,689.
Carter, Lloyd G., and D. K. Smith, to Halliburton Co. Permeable cement for wells. 3,368,623, 2–13–68, Cl. 166—12.
Carter, Lloyd G., and D. K. Smith, to Halliburton Co. Method of well cementing with conduit coated with heat sensitive material. 3,406,756, 10–22–68, Cl. 166—21.
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Carter, Mary E., and O. K. Carlson, to FMC Corporation. Preparation of polypeptides. 3,366,607, 1–30–68, Cl. 260—78.
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Carter, Nathan A., Jr., and R. S. Johnson, Jr., to Arrow Trailers, Inc. Container chassis and caster axle assembly. 3,381,974, 5–7–68, Cl. 280—81.
Carter, Norman D., F. E. Guptill, Jr., and H. V. Hess, to Texaco Inc. Separation of sodium chloride from potassium by selective crystallization. 3,384,459, 5–21–68, Cl. 23—296.
Carter, Norman W., to Beckman Instruments, Inc. Glass electrodes and method for producing the same. 3,415,731, 12–10–68, Cl. 204—195.
Carter, Paul R., and L. E. Helwig, to United States Steel Corp. Method of making galvannealed ferrous metal of improved solderability. 3,418,174, 12–24–68, Cl. 148—6.35.
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Browning, Hugh R., and Carter. 3,415,752.
Carter, Philip S., to Control Data Corp. Direction finding antenna system. 3,371,347, 2–27–68, Cl. 343—118.
Carter, Philip S., to Physical Electronics Laboratories. Tunable bandpass filter. 3,400,343, 9–3–68, Cl. 333—73.
Carter, Philip S., and A. L. Pierce, to Stanford Research Institute. Tunable bandpass filter. 3,368,169, 2–6–68, Cl. 333—73.
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Carter, Raymond C., to The Hepworth Iron Co. Ltd. Pipe couplings. 3,372,942, 3–12–68, Cl. 277—207.
Carter, Richard P., Jr., and R. R. Irani, to Monsanto Co. Sequestration of metal ions. 3,405,060, 10–8–68, Cl. 210—58.
Carter, Richard S., to International Business Machines Corp. Nanosecond circuit for eliminating cam bounce. 3,388,264, 6–11–68, Cl. 307—93.

Carter, Richard S., and W. W. Welz, to International Business Machines Corp. High speed serial processor. 3,387,278, 6–4–68, Cl. 340—172.5.
Carter, Robert C., to Collins Radio Co. RC correlator circuit for synchronous signal detection. 3,369,185, 2–13–68, Cl. 329—50.
Carter, Robert C., to Collins Radio Co. Single side-band pulse product detector. 3,390,343, 6–25–67, Cl. 329—146.
Carter, Robert C., P. M. Cunningham, and R. D. Tollefson, to Collins Radio Co. Demultiplexing and detecting system for predicted wave phase-pulsed data transmission system. 3,368,036, 2–6–68, Cl. 178—67.
Carter, Robert D.: *See*—
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Carter, Robert O., to Her Majesty's Postmaster General. Systems for transmitting code pulses having low cumulative disparity. 3,405,235, 10–8–68, Cl. 178—69.
Carter, Russell L., to Ortho Pharmaceutical Corp. Horizontal centrifugation. 3,394,880, 7–30–68, Cl. 233—27.
Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Hold-down belt for labeling machines. 3,386,565, 6–4–68, Cl. 198—162.
Carter, Terry L., III. Plastic bottle feeder having orienting means. 3,367,534, 2–6–68, Cl. 221—68.
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Berger, Frank M., Miller, and Fletcher. 3,395,223.
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Leadon, Bernard M., Carter, and Gallaher. 3,410,502.
Carter, William A., to I-T-E Circuit Breaker Co. Current-sensing circuit. 3,363,144, 1–9–68, Cl. 317—33.
Carter, William A., to I-T-E Circuit Breaker Co. Differential pressure actuated switch utilizing high speed latch and lost motion means. 3,408,468, 10–29–68, Cl. 200—83.
Carter, William A., and O. Jensen, to I-T-E Circuit Breaker Co. Capacitor protection system including a plurality of serially connected valves in the air blast device. 3,416,034, 12–10–68, Cl. 317—12.
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Cartwright, Victor F., to Babcock Electronics Corp. Range and angle measuring system. 3,380,051, 4–23–68, Cl. 343—10.
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Carty, Margaret F., to The H-2-O Filter Corporation. Filter cigarettes. 3,366,121, 1–30–68, Cl. 131—10.1.
Caruso, Gerard P., to Shell Oil Co. Extreme-pressure grease compositions. 3,370,007, 2–20–68, Cl. 252—21.
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Carvalho, Dorothy A., and S. F. Stafiej, to American Cyanamid Co. Triaminoguanidinium dicyanamide. 3,405,175, 10–8–68, Cl. 260—551.
Carvallo, Pierre. Conveyor apparatus and more particularly to conveyors for foodstuff containers. 3,389,776, 6–25–68, Cl. 198—30.
Carvallo, Pierre. Hydrostatic pressure type continuous sterilizing and cooling apparatus. 3,407,721, 10–29–68, Cl. 99—249.
Carver & Co. (Engineers) Ltd.: *See*—
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Cary, Francis H., to General Signal Corp. Valve. 3,378,030. 4–16–68, Cl. 137—516.29.
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Casale, Ernest R. Timing means. 3,415,137, 12–10–68, Cl. 74—395.
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Casale, Ralph, and J. M. Woulbroun, to Sylvania Electric Products Inc. Composite protective coat for thin film devices. 3,368,919, 2–13–68, Cl. 117—217.
Casale, Salvatore A., T. M. Cawthon, and W. M. Wenner, to Allied Chemical Corp. Reaction of diisopropylbenzene-α,α-diol with phenolic compounds and products thereof. 3,384,-617, 5–21–68, Cl. 260—47.
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Casamo, Charles C., and D. R. Kerstetter, to Sylvania Electric Products Inc. Cup-shaped photoconductor tube. 3,408,522, 10–29–68, Cl. 313—102.
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Casellas, Juan, to Clemente F. Martin. Hydraulic boosters. 3,406,521, 10–22–68, Cl. 60—54.5.
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Caskey, Kenneth C., to Kelsey-Hayes Co. Air cooled, composite rotor for disk brakes. 3,403,760, 10–1–68, Cl. 188—218.
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Caslavsky, Zdenek, and J. Hospodka, to Ceskoslovenska Akademie Ved. Method and equipment for aerobic fermntation on liquid culture mediums. 3,384,553, 5–21–68, Cl. 195—95.
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Cason, George A., Jr., to Dresser Industries, Inc. Bearing seal for drilling bits. 3,370,895, 2–27–68, Cl. 308—8.2.
Cason, Louis F., to Tuskegee Institute. Substituted carboxanilides. 3,376,340, 4–2–68, Cl. 260—562.
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Cassman, Harry, to Electric & Musical Industries Ltd. Photosensitive devices employing photo-conductive coatings. 3,383,244, 5–14–68, Cl. 117—210.
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Cast, James N., W. H. Horning, and F. Twiss, to Lear Siegler, Inc. Digital data processor. 3,374,467, 3–19–68, Cl. 340—172.5.
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Castle, William H., J. E. Jones, and R. A. Rahenkamp, to International Business Machines Corp. Variable spacebar mechanism for automatically operated proportional escapement printer. 3,404,766, 10–8–68, Cl. 197—84.
Castle, William S., H. M. Mar, and D. K. Thompson, to General Motors Corp. Lift jet engine. 3,394,907, 7–30–68, Cl. 244—52.
Castleberry, Willene M. Means for holding, supporting and dispensing liquid comestibles. 3,365,102, 1–23–68, Cl. 222—83.5.
Castoe, John H. Keyhole area illumination means. 3,388,244, 6–11–68, Cl. 240—2.13.
Castoe, John H. Motor vehicle wheel suspension ball joint installing tool. 3,416,216, 12–17–68, Cl. 29—261.
Castor, Edward E., to Armco Steel Corp. Metal-to-metal seal devices. 3,378,269, 4–16–68, Cl. 277—205.
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Reitmeier, Ronald E. 3,388,074.
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Catania, Basilio, to Automatic Electric Laboratories, Inc. Low-distortion sweep signal generator with superimposed frequency modulation. 3,361,986, 1–2–68, Cl. 331—30.
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Catenacci, Gerald A. Curb extruding machine. 3,363,524, 1–16–68, Cl. 94—46.
Caterina, Joseph R. Self-leveling self-alining brick and block. 3,394,517, 7–30–68, Cl. 52—436.
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Anderson, Rodney H., Campbell, Crabb, and Hosoda. 3,378,133.
Babbitt, John H., Jr. 3,395,770.
Bailey, John M. 3,381,615.
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Bernson, Elmer R., and Engel. 3,396,534.
Bevis, Burton L. 3,398,781.
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Blum, Robert M., and Hollander. 3,388,849.
Boggs, Roger L. 3,377,110.
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Holl, Harold H. 3,381,546.
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Medley, Jackson C., Smith, Mueller, and Kostas. 3,390,735
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Catino, Sigmund C., A. F. Strobel, and N. Blumenkopf, to GAF Corp. Sun screening methods. 3,419,659, 12–31–68, Cl. 424—60.

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Caywood, James A., D. M. De Moss, E. C. Fitch, Jr., and R. F. Osborn, to Oklahoma State University of Agriculture & Applied Science. Hydraulic signal control valve. 3,388,-721, 6–18–68, Cl. 137—625.66.
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Challenger, Kenneth D., and J. H. McBrien, to Helmerich & Payne, Inc. Tank seal with finger. 3,398,851, 8–27–68, Cl. 220—26.

Challinor, John M., and N. W. W. Porter, to Whiffen & Sons Ltd. Oxidation of hydrazoamides to azoformamides. 3,366,-622, 1–30–68, Cl. 260—192.

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Chalmers, Alexander A., W. B. Fried, and R. A. Mason, to Brixite Mfg. Co. Composite shingle. 3,377,762, 4–16–68, Cl. 52—555.

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Chalmers, John R., and F. B. Stilmar, to E. I. du Pont de Nemours and Co. Chemical polymers. 3,380,971, 4–30–68, Cl. 260—78.5.

Chalmers, John R., and C. Victorius, to E. I. du Pont de Nemours and Co. Cross linked polyimide. 3,416,994, 12–17–68, Cl. 161—227.

Chalmers, William, and A. J. Shaw, to Eversharp, Inc. Process for separating saponifiables and unsaponifiables in marine animal oils. 3,369,034, 2–13–68, Cl. 260—412.1.

Chambaut, Henri L. Rotary miniature commutator switch with improved contact structure. 3,368,041, 2–6–68, Cl. 200—11.

Chambaut, Henry L., to O.M.N.I.H. Campana & Cie. High speed turbine. 3,376,789, 4–9–68, Cl. 91—92.

Chamberlain, Allan H. Inboard-outboard marine drives. 3,404,-656, 10–8–68, Cl. 115—41.

Chamberlain, Frank E., to Binks Mfg. Co. Spray gun with paint agitator. 3,412,937, 11–26–68, Cl. 239—142.

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Tetzlaff, Clarence C., and Chamberlain. 3,407,449.

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Chamberlain, Harry V., J. J. Edwards, and E. C. Kovacic, to United States of America, Atomic Energy Commission. Expanded bed nuclear reactor fuel module. 3,389,053, 6–18–68, Cl. 176—32.

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Chamberlin, Earl M., H. L. Slates, and L. M. Weinstock, to Merck & Co., Inc. Processes for the production of α-chloro-α-acetylpropanol. 3,390,188, 6–25–68, Cl. 260—594.

Chamberlin, Howard A., and J. C. Masson, to Monsanto Co. Sodium borohydride as a polymerization inhibitor for a redox system. 3,396,154, 8–6–68, Cl. 260—85.5.

Chamberlin, John R., Jr., to I-T-E Circuit Breaker Co. Reversible connector arrangement. 3,366,844, 1–30–68, Cl. 317—99.

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Chamberlin, Rhodes R., and J. S. Skarman, to The National Cash Register Co. Process for activating photoconductive films. 3,377,200, 4–9–68, Cl. 117—201.

Chamberlin, Robert S., D. C. Stafford, and C. A. McDonald, to Chicago Bridge & Iron Co. Offshore storage apparatus. 3,381,481, 5–7–68, Cl. 61—46.5.

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Chambers, James C. Dispenser for selected quantities of articles. 3,362,580, 1–9–68, Cl. 221—207.

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Chambers, Jerome B., and D. D. Dinney, to American Machine & Foundry Co. Article treating and conveying system. 3,398,750, 8–27–68, Cl. 131—25.

Chambers, John. Pump. 3,371,618, 3–5–68, Cl. 103—258.

Chambers, John E., J. T. McCarter, and J. B. Holschlag. Air handling unit for industrial plants. 3,392,655, 7–16–68, Cl. 98—30.

Chambers, Lawrence S. Equipment and method for servicing submarine oil wells. 3,361,200, 1–2–68, Cl. 166—6.

Chambers, Philip. Means for positioning a load on a carrier. 3,380,695, 4–30–68, Cl. 248—119.

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Chambion, Jean, and P. Hilaire, to Societe Rhodiaceta. Process for the production of poly(polymethylene) terephthalates. 3,405,096, 10–8–68, Cl. 260—75.
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Chameroy, Jean, to Societe Anonyme dite: Groupement Atomique Alsacienne Atlantique. Ionization chamber for high-tension alternating current operation. 3,414,726, 12–3–68, Cl. 250—83.6.
Chameroy, Jean G., and Y. Wilmart, to Societe Anonyme: Groupement Atomique Alsacienne Atlanitque (G.A.A.A.) Radiation detector made from titanium or zirconium. 3,382,-390, 5–7–68, Cl. 313—61.
Chamness, Leland D., and A. F. Marion, to Friden, Inc. Driving means for high-speed printing apparatus. 3,406,625, 10–22–68, Cl. 101—93.
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Champaneria, Ashok J., and W. S. Russell, to Hooker Chemical Corp. Metal coating composition and process. 3,397,090, 8–13–68, Cl. 148—6.2.
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Coburn, Herbert D. Shear, and Steele. 3,405,780.
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Hammond, Clifton E., and Cline. 3,399,417.
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Chan, William, and G. L. Steffes, to Vapor Corp. Multiple boiler control system. 3,387,589, 6–11–68, Cl. 122—1.
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Chana, Howard E., to General Motors Corp. Transmission. 3,398,607, 8–27–68, Cl. 74—864.
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Chance, Leon H., G. L. Drake, Jr., and W. A. Reeves, to United States of America, Agriculture. Process for flameproofing cellulosic material. 3,403,044, 9–24–68, Cl. 117—62.2.
Chance, Leon H., and E. K. Leonard, to United States of America, Agriculture. Methylol derivatives of halo-cyanoacetamides and their application to cellulosic materials. 3,403,174, 9–24–68, Cl. 260—465.4.
Chance, Leon H., G. L. Drake, Jr., and W. A. Reeves, to United States of America, Agriculture. Process for flameproofing cellulosic material. 3,404,022, 10–1–68, Cl. 117—62.2.
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Chancellor Chair Co.: *See*—
Chancellor, Charles W., Jr. 3,362,767.
Chancellor, Charles W., Jr. 3,393,012.
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Chancellor, Forrest E. and R. O. 3,363,694.
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Chandler Evans Inc.: *See*—
Eckert, Arthur F. J., and Moorcroft. 3,395,890.
Mastriforte, Otil F., and Faulds. 3,397,894.
Nash, Jack O. 3,414,216.
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Chandler, Lloyd E. Exercise machine in which the user pushes or pulls against a resisting force produced by pneumatic cylinder operating in conjunction with compressed air. 3,387,843, 6–11–68, Cl. 272—79.

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Chandler, Stephen S., to FMC Corp. Anaerobic sludge digestion. 3,383,309, 5–14–68, Cl. 210—11.

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Chaney, Earl J. Method of treating waste water containing nickel. 3,378,487, 4–16–68, Cl. 210—11.

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Chang, Henry M. Beverage containers. 3,385,501, 5–28–68, Cl. 229—7.

Chang, Henry M. Beverage containers. 3,397,830, 8–20–68, Cl. 229—7.

Chang, James T. H., U. F. Gianola, and M. W. Sagal, to Bell Telephone Laboratories, Inc. Method for controlled aging of thin magnetic films by means of an easy axis annealing treatment. 3,374,113, 3–19–68, Cl. 117—227.

Chang, Karl, and J. B. Dennis, to Massachusetts Institute of Technology. Digitally controlled attenuator. 3,365,712, 1–23–68, Cl. 340—347.

Chang, Leo S.: *See*—
Sprengling, Gerhard R., Sassano, Trapp and Chang. 3,405,091.

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Chang, Wen-Hsuan, to Pittsburgh Plate Glass Co. Pentahalooxatricyclononenes and method of preparation. 3,385,867, 5–28–68, Cl. 260—346.2.

Chang, Wen-Hsuan, to PPG Industries, Inc. Epoxy resin compositions containing dienophile curing agent and polycyclodienes. 3,404,125, 10–1–68 Cl. 260—47.

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Chang, Winston H., to General Electric Co. Chromium base alloy. 3,403,022, 9–24–68, Cl. 75—176.

Chang, Winston H., J. W. Clark, and G. D. Oxx, Jr., to General Electric Co. Tantalum-base alloys. 3,379,520, 4–23–68, Cl. 75—174.

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Chant, Albert H., Jr., and W. F. Wilson, Jr., to J. B. Dove & Sons, Inc. Film selector for plastic film wrapping station. 3,367,589, 2–6–68, Cl. 242—55.3.

Chao, Andrew C. M., to The Bendix Corp. Variable attenuation circuit. 3,,412,340, 11–19–68, Cl. 330—29.

Chao, Sidney S. C., to Ampex Corp. Magnetic recorder and reproduce system utilizing a clock signal. 3,391,400, 7–2–68, Cl. 340—174.1.

Chao, Tsai H., to American Cyanamid Co. Process for providing a durable antistatic finish for synthetic textile materials. 3,411,945, 11–19–68, Cl. 117—139.5.

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Chapell, Harry F., to Sage Laboratories, Inc. Selective transmission apparatus. 3,384,843, 5–21–68, Cl. 333—73.

Chapell, Harry F., to Raytheon Co. Matched transmission line coupling for electron discharge tube. 3,400,295, 9–3–68, Cl. 315—3.5.

Chapin, Daryl M., to Bell Telephone Laboratories, Inc. Telephone signaling system. 3,374,317, 3–19–68, Cl. 179—84.

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Chaplin, John B., to Bell Aerospace Corp. Air cushion vehicle stabilizing means. 3,373,836, 3–19–68, Cl. 180—118.

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Chapman, Burton B. Cigarette extinguishing ash receptacle. 3,404,693, 10–8–68, Cl. 131—235.

Chapman, Burton B. Levelling and supporting apparatus. 3,404,859, 10–8–68, Cl. 248—184.

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Chapman, Charles S., Jr., R. W. Craig, K. W. Gage, and R. W. Smith, to General Motors Corp. Hub and smooth shaft spring key arrangement. 3,388,934, 6–18–68, Cl. 287—52.05.

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Chapman, Eugene T. Carbide adapter for salute cannon. 3,365,832, 1–30–68, Cl. 42—55.

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Chapman, Rick. Parking stall fender. 3,416,484, 12–17–68, Cl. 116—67.

Chapman, Rodney M.: *See*—
Privott, Wilbur J., Jr., and Chapman. 3,387,327.

Chapman, Ronald H.: *See*—
Adlhoch, Richard H., and Chapman. 3,387,270.

Chapman, Ronald H., to Motorola, Inc. Decoder for digital pulse code including transistorized counters. 3,414,881, 12–3–68, Cl. 340—164.

Chapman, Roy, to Imperial Chemical Industries Ltd. Treatment of oriented crystalline polyester filaments. 3,413,797, 12–3–68, Cl. 57—140.

Chapman, Roy A., to United Aircraft of Canada Ltd. Torquemeter with positive and negative reading. 3,373,603, 3–19–68, Cl. 73—136.

Chapman, Stuart M.: *See*—
Burgess, Bernard W., and Chapman. 3,418,723.

Chapman, Walter J.: *See*—
Hoen, Kenneth H., Chapman, and Jones. 3,408,897.

Charman, Walter M., Jr., and B. F. Anthony, to Oglebay Norton Co. Hot top structure. 3,415,483, 12–10–68, Cl. 249—201.

Chapman, William A., Jr.: *See*—
Heywood, Vincent E., Bushey, and Chapman. 3,399,788.

Chapman, William L.: *See*—
Buller, Paul L., and Chapman. 3,412,704.

Chapman, William P., C. C. Smith, and J. C. Donovan, to Johnson Service Co. Binary coded control. 3,396,379, 8–6–68, Cl. 340—347.

Chapou, Yves. Reversing cocks for distributing water. 3,416,555, 12–17–68, Cl. 137—119.

Chappell, George D.: *See*—
Bolles, William L., Chappell, and Stanton. 3,388,531.

Chappell, Sterling F., III, J. R. Olechowski, and A. A. Arseneaux, to Columbian Carbon Co. Oligomerization process. 3,390,195, 6–25–68, Cl. 260—666.

Chappell, Sterling F., III, and J. R. Olechowski, to Columbian Carbon Co. Polymerization process employing a chromium coordination catalyst. 3,390,196, 6–25–68, Cl. 260—666.

Chappell, Sterling F., and R. F. Clark, to Columbian Carbon Co. Olefin isomerization process. 3,398,205, 8–20–68, Cl. 260—666.

Chappelle, Thomas W.: *See*—
Cooper, Densil M., Wysong, and Chappelle. 3,373,263.

Chapper, John. Universal coupling. 3,406,534, 10–22–68, Cl. 64—7.

Chappie, Pete R. Strip for spacing and holding building members. 8,390,494, 7–2–68, Cl. 52—105.

Chappuy, Jean. Electrode holder for spark ignited oil burners. 3,404,940, 10–8–68, Cl. 431—264.

Chapsky, Jacob, to Lockheed Aircraft Corp. Data acquisition and recording system. 3,419,883, 12–31–68, Cl. 346—74.

Chaptal de Chanteloup, Victor M., to Societe Industrielle Bull-General Electric (Societe Anonyme). Device having changeable resistance and internal inductance. 3,366,939, 1–30–68, Cl. 340—174.

Chaput, Dale T., and R. A. Haskell, to Aerojet-General Corp. Retarder including a porous wall fluid restricting means. 3,375,908, 4–2–68, Cl. 188—94.

Character Recognition Corp.: *See*—
Greenly, Robert B. 3,382,482.
Stephens, Richard G. 3,412,379.

Charamond, Claude P., J. D. Broyles, and J. T. Hancock, to Texas Instruments Inc. Dryer control. 3,404,465, 10–8–68, Cl. 34—45.

Charbnau, Harold P.: *See*—
Feder, Ralph, Asal, Charbnau, and Mannheimer. 3,402,632.

Charbonnages de France: *See*—
Foch, Pierre. 3,381,901.

Charbonneau, Allan P.: *See*—
Mukai, Roy A., Charbonneau, Waldorf, and Pearson. 3,402,620.
Waldorf, Joseph F., Rzepecki, and Charbonneau. 3,392,598.

Charbonnet, Francis C. Method of manufacturing hose joint elements. 3,371,408, 3–5–68, Cl. 29—508.

Charbonnier, Francis M., E. E. Martin, and L. W. Swanson, to Field Emission Corp. Field emission cathode having tungsten Miller indices 100 plane coated with zirconium, hafnium or magnesium on oxygen binder. 3,374,386, 3–19–68, Cl. 313—346.

Charbonnier, Roger, to Roger Charbonnier, and Jean Royer. Electronic assembly. 3,387,113, 6–4–68, Cl. 219—209.

Charchenko, Sam H. Screwdriver attachment. 3,361,169, 1–2–68, Cl. 145—51.

Charell, Ralph. Baseball and baseball bat toy. 3,380,305. 4–30–68, Cl. 73—379.

Chargematic, Inc.: *See*—
Ballman, Gray C. 3,389,824.

Chari, Nallan C. S., and L. D. Keller, to Owens-Illinois, Inc. Recirculation system for treating spent pulping liquor smelt to recover sodium values as active sodium sulfite. 3,392,004, 7–9–68, Cl. 23—284.

Charles, Alan, and D. Charles. Game board apparatus. 3,367,662, 2–6–68, Cl. 273—134.

Charles, David: *See*—
Charles, Alan, and Charles. 3,367,662.

Charles, Michael E.: *See*—
Hodgson, Gordon W., Charles, and Roehl. 3,377,107.

Charles, Robert, and P. L. Brasseur, to Ethylene-Plastique. Polyoxymethylene-type resins and process for their production. 3,397,182, 8–13–68, Cl. 260—67.

Charlesby, Arthur, and S. H. Pinner, to Raychem Corp. Process for improving the properties of a polymer by cross-linking in the presence of radiation. 3,372,100, 3–5–68, Cl. 204—159.17.

Charleston, Carlyle D.: *See*—
Luning, Alfred O., Moore, and Charleston. 3,390,931.

Charlesworth, Francis R. Windshield cover. 3,391,724, 7–9–68, Cl. 160—368.

Charlesworth, Leslie: *See*—
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Charlesworth, Paul L., to Petrocarbon Developments Ltd. Hydrogen recovery with condensate wash in heat exchanger path. 3,363,428, 1–16–68, Cl. 62—28.

Charlesworth, Paul L., and M. S. W. Ruhemann, to Petrocarbon Developments Ltd. Hydrogen recovery with a methane freezing point depressant. 3,401,532, 9–17–68, Cl. 62—23.

Charlot, Lincoln H., Jr., to Minnesota Mining and Mfg. Co. Electrical detecting means. 3,407,403, 10–22–68, Cl. 343—7.5.

Charlson, William, to Minister of Aviation in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Arrester gear for aircraft. 3,382,954, 5–14–68, Cl. 188—94.

Charlton, Arthur T., to Magnatex Ltd. Windscreen wipers. 3,405,419, 10–15–68, Cl. 15—250.32.

Charlton Press, Inc.: *See*—
Cocce, Guy J., and Ivan. 3,364,556.

Charlton, Thomas E., and R. K. Long, to United States of America, Air Force. Aircraft nose radome with ceramic cover mounted on metallic framework. 3,396,396, 8–6–68, Cl. 343—708.

Char-Lynn Co.: *See*—
McDermott, Hugh L. 3,381,498.
McDermott, Hugh L. 3,389,618.
Patterson, Earl, Jr. 3,377,873.
Patterson, Earl, Jr. 3,383,931.

Charman, Walter M., Jr., and J. E. Jackson, to Oglebay Norton Co. Insulation panel and fastener assembly and method. 3,372,524, 3–12–68, Cl. 52—747.

Charmglow Mfg. Co.: *See*—
Hansen, Edward W. 3,365,570.
Koziol, Walter. 3,372,835.
Koziol, Walter. 3,388,421.

Charmglow Products, Inc.: *See*—
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Charniga, Joseph, Jr. Pipe cleaning cup. 3,375,618, 4–2–68, Cl. 51—391.

Charno, Ronald J., J. J. Murray, M. S. Shinbaum, and J. S. Strance, to E. W. Bliss Co. Barricade net arresting system. 3,367,608, 2–6–68, Cl. 244—110.

Charnock, John A., to L. J. Croskery. Vertical record player. 3,363,907, 1–16–68, Cl. 274—10.

Charot, Georges A., P. Issartier, R. G. Labouyrie, P. A. Revest, and J. Valensi, to Centre National de la Recherche Scientifique. Installations for controlling the trajectory with respect to the ground of vehicles and in particular aircraft. 3,383,652, 5–14–68, Cl. 340—27.

Charret, Michel, to Oxysynthese. Cyclic process for manufacturing hydrogen peroxide. 3,372,990, 3–12–68, Cl. 23—207.

Charrier, Jacques: *See*—
Aguadisch, Leon, Charrier, and Miguet. 3,386,934.

Charron, William W., to Ford Motor Co. Inertia sensing carburetor metering control. 3,381,945, 5–7–68, Cl. 261—39.

Charron, William W., to Ford Motor Co. Float mechanism for a carburetor. 3,382,881, 5–14–68, Cl. 137—39.

Charter, Ian G., to The Solartron Electronic Group Ltd. Pressure-sensitive devices. 3,367,244, 2–6–68, Cl. 92—13.

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Chartier, Rene A. Patty molding machine. 3,416,187, 12–17–68, Cl. 17—32.

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Charuhas, James J.: *See*—
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Charvat, Vernon K., to The Osborn Mfg. Co. Method of manufacturing grinding wheels and the like. 3,377,411, 4–9–68, Cl. 264—45.

Charvat, Vernon K., R. E. Jarvi, and R. C. Srail, to The Osborn Mfg. Co. Apparatus for making abrasive articles. 3,391,423, 7–9–68, Cl. 18—5.

Charvo S.A.: *See*—
Augere, Paul. 3,378,935.

Chas, Jean B. Device for determining the position of a ship. 3,410,642, 11–12–68, Cl. 356—144.

Chasar, Anthony R., to The Triox Co. Automatic warehousing system. 3,371,804, 3–5–68, Cl. 214—16.4.

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Davenport, William H. 3,407,127.
Peters, John E. 3,375,109.

Chase, Dorothy A.: *See*—
Ryan, James M., and Chase. 3,367,379.

Chase, Harry H. Golf tee with seat formed by coacting central part and radiating petals. 3,414,268, 12–3–68, Cl. 273—211.

Chase, John E.: *See*—
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Chase, Joseph D., and P. P. Gesting, to Celanese Corp. Stabilization of oxymethylene copolymers. 3,419,529, 12–31–68, Cl. 260—67.

Chase Manhattan Bank, The: *See*—
Ozai-Durrani, Ataullah K. 3,388,998.

Chase, Marston S. Reinforced paper clip. 3,408,700, 11–5–68, Cl. 24—66.

Chase, Paul W., to United States Steel Corp. Method and apparatus for controlling the level of an interface. 3,375,928, 4–2–68, Cl. 210—83.

Chase, Raymond B., to The Dow Chemical Co. Repair patch for lined vessels. 3,365,097, 1–23–68, Cl. 220—63.

Chase, Raymond B., to The Dow Chemical Co. Liner patch. 3,369,693, 2–20–68, Cl. 220—63.

Chase-Shawmut Co., The: *See*—
Hitchcock, Paul C. 3,378,659.
Jacobs, Philip C., Jr. 3,385,939.
Jacobs, Philip C., Jr. 3,394,333.
Kozacka, Frederick J. 3,382,235.
Kozacka, Frederick J. 3,391,369.
Kozacka, Frederick J. 3,413,585.
Kozacka, Frederick J., and Jacobs. 3,386,062.
Salzer, Erwin. 3,413,586.

Chase, Theodore W., and F. L. Ptak, to Koppers Co., Inc. Electrically insulated mechanical connector. 3,442,572, 9–24–68, Cl. 64—6.

Chase, Wayne R., and V. P. Hovnanian, to Thiokol Chemical Corp. Nozzle. 3,378,204, 4–16–68, Cl. 239—127.3.

Chass, Jacob, to Robinson-Halpern Co. Force transducer. 3,372,580, 3–12–68, Cl. 73—141.

Chass, Jacob, to Pickering & Co., Inc. Differential transformers. 3,376,533, 4–2–68, Cl. 336—136.

Chassevent, Dorothy F. Multiple desk unit. 3,361,508, 1–2–68, Cl. 312—239.

Chastain, Jack B.: *See*—
Hollis, John S., and Chastain. 3,395,347.

Chastain, Jud C., to American Meter Co., Inc. Means and techniques useful in tone receivers. 3,372,314, 3–5–68, Cl. 317—147.

Chastang, Pelham D., and R. W. Chidgey, to Monsanto Co. Small volume pump. 3,382,811, 5–14–68, Cl. 103—152.

Chate, Frederick J., and S. A. T. Kapteyn, to Shell Oil Co. Diving method and apparatus. 3,408,822, 11–5–68, Cl. 61—69.

Chateau, Henri R. P.; deceased, by J. Chateau, administratrix, M.-C. M. Gadet, and J. J. L. Pouradier, to Eastman Kodak Co. Print-out emulsions and process. 3,419,396, 12–31–68, Cl. 96—108.

Chateau, Jacqueline: *See*—
Chateau, Henri R. P., Gadet, and Pouradier. 3,419,396.

Chatfield, Marshall H.: *See*—
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Chatfield, Victor G., and P. G. Roper, to Dominion Engineering Works, Ltd. Rotary seal structure. 3,405,913, 10–15–68, Cl. 253—26.

Chatham, Newton L. Cable housing anchoring unit. 3,415,549, 12–10–68, Cl. 287—20.

Chatillon Societa Anonima Italiana per le Fibre Tessili Artificiali S.p.A.: *See*—
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Mazzolini, Corrado, and Denti. 3,395,111.
Mazzolini, Corrado, Denti, and Curti. 3,388,031.

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Shurtleff, Louis C. and O. O. 3,382,894.

Chatman, William C.: *See*—
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Chatman, William C., to Foster Wheeler Corp. Aspiration elimination for diverting valves. 3,415,262, 12–10–68, Cl. 137—81.5.

Chattaway, Maurice D., and K. E. Bowen, to S. T. D. Services Ltd. Apparatus for testing tubes or rods by ultrasonics. 3,415,111, 12–10–68, Cl. 73—67.8.

Chatten, Clarence K., and S. A. Eller, to United States of America, Navy. Positioning device for cable fairing. 3,379,162, 4–23–68, Cl. 114—235.

Chattopadhyay, Jagadish: *See*—
Chakravarti, Arun K., Chattopadhyay, Sarkar, and Lahiri. 3,381,388.

Chaude, Bernard J. Oscillating vane internal combustion engine. 3,382,849, 5–14–68, Cl. 123—18.

Chaulin, Pierre, to Nord-Aviation Societe Nationale de Constructions Aeronautiques. Apparatus for the rapid mixture of fluids, especially on a turbo-ram-jet unit. 3,362,431, 1–9–68 Cl. 137—604.

Chaumont, Henri J., to Compagnie de Saint-Gobain. Grinding and polishing apparatus. 3,400,501, 9–10–68, Cl. 51—358.

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Chauprade, Robert, to Le Materiel Electrique S.W. Distributor circuit for a control rectifier including a pulse generator. 3,379,899, 4–23–68, Cl. 307—284.

Chauprade, Robert, to Le Materiel Electrique S.W. Electronic blocking device for signals from a signal generator. 3,416,007, 12–10–68, Cl. 307—252.

Chaussadas, Jean, to The Mead Corp. Article carrier. 3,363,752, 1–16–68, Cl. 206—65.

Chausse, Burnette P., and R. E. Gareis, to General Electric Co. Identification system. 3,363,247, 1–9–68, Cl. 343—6.5.

Chausse, Burnette P., and C. E. Konrad, to General Electric Co. Motor control circuit employing brake means for protection against unbalance of source current. 3,368,129, 2–6–68, Cl. 318—204.

Chaustowich, Gabriel A., to Kem Krest Products Co. Thermostatically controlled electric immersion heater units. 3,399,295, 8–27–68, Cl. 219—523.

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Chavannes, Marc A., to Sealed Air Corp. Multi-laminate cushioning material. 3,392,081, 7–9–68, Cl. 161—127.

Chavannes, Marc A., to Sealed Air Corp. Method and apparatus for the manufacture of plastic laminates and cellular materials. 3,405,020, 10–8–68, Cl. 156—306.

Chavannes, Marc A., to Sealed Air Corp. Cushioning and insulating material. 3,415,711, 12–10–68, Cl. 161—68.

Chavannes, Marc A., and A. W. Fielding, to Sealed Air Corp. Method and apparatus for making cellular material from thermoplastics sheets. 3,416,984, 12–17–68, Cl. 156—209.

Chave, Charles T., to Stone & Webster Engineering Corp. Nuclear reactor direct pressure suppression containment. 3,414,472, 12–3–68, Cl. 176—37.

Chaveneaud, Roger, and G. Janoska, to Societe a Responsabilite Limitee: Societe Lamy d'Etudes et de Recherches "Soler." Rolling contact typewheel printer. 3,381,790, 5–7–68, Cl. 197—51.

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Chaves, Aurelius, Jr., W. J. Thayer, and R. F. Bailey, to Moog, Inc. Valve for controlling simultaneously the flow of two separate fluids. 3,373,769, 3–19–68, Cl. 137—595.

Chavira, Salvador V., and A. M. Martinez. Truck step. 3,388,925, 6–18–68, Cl. 280—166.

Chavis, Leon A., to Mallory Electric Corp. Electrical switching circuit. 3,408,993, 11–5–68, Cl. 123—148.

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Chebiniak, Paul, and E. R. Mondou, to International Business Machines Corp. Method of making ink-filled transfer element. 3,413,137, 11–26–68, Cl. 117—36.1.

Check, Mathias M., to Eaton Yale & Towne Inc. Electric control mat. 3,392,247, 7–9–68, Cl. 200—86.

Chechak, Albert J., and C. D. Robeson, to Eastman Kodak Co. Carotenoid compounds. 3,403,184, 9–24–68, Cl. 260—612.

Chechak, Albert J., and C. D. Robeson, to Eastman Kodak Co. Carotenoid compounds. 3,408,406, 10–29–68, Cl. 260—612.

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Checki, Angelo D., Jr., B. F. Genualdi, and J. Sachs, to Radio Corp. of America. Method of fabricating semiconductor devices. 3,390,450, 7–2–68, Cl. 29—589.

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Checkley, Peter E.: *See*—
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Checkley, Peter E., J. C. Escott, and C. R. Little, to Dowty Mining Equipment Ltd. Telescopic hydraulic devices for controlling the speed of railway vehicles. 3,395,650, 8–6–68, Cl. 104—162.

Chedister, Conkling, ½ to M. Suter. Portable hair drier with heat storage and self-generating circulating means. 3,391,470, 7–9–68, Cl. 34—99.

Cheek, Forrest R., and R. W. Stapleton, to General Motors Corp. Vacuum modulator. 3,375,838, 4–2–68, Cl. 137—81.

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Cheeseman, Richard R., Jr., to Honeywell, Inc. Acoustic generator. 3,376,847, 4–9–68, Cl. 116—137.

Cheetham, Ivan C., to Dunlop Rubber Co. Ltd. Apparatus for the measurement of internal friction of materials. 3,400,571, 9–10–68, Cl. 73—9.

Cheever, William H., to United States of America, Army. Electronic crowbar. 3,413,530, 12–24–68, Cl. 317—16.

Cheglikov, Anatoly G.: *See*—
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Chelminski, Stephen V., to Bolt Associates, Inc. Hydrophone eel structure for underwater seismic exploration. 3,378,815, 4–16–68, Cl. 340—7.

Chelminski, Stephen V., to Bolt Associates, Inc. Powerful sound impulse generation methods and apparatus. 3,379,273, 4–23–68, Cl. 181—.5.

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Regel, Erik A. 3,385,688.
Regel, Erik K., and Botts. 3,416,912.

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Chemcell Ltd.: *See*—
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Chemerda, John M., and E. E. Harris, to Merck & Co., Inc. Process for preparing 4-methyl-5-alkoxy oxazoles. 3,390,-153, 6-25-68, Cl. 260—307.
Chemerda, John M., G. Gal, and M. Sietzinger, to Merck & Co., Inc. Process for preparing benzimidazole N-oxides. 3,398,187, 8-20-68, Cl. 260—302.
Chemerda, John M., E. W. Tristram, and R. J. Tull, to Merck & Co., Inc. Stereospecific synthesis of amino acids. 3,407,226, 10-22-68. Cl. 260—519.
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Christensen, Axel. 3,366,461.
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Egbert, Robert B. 3,407,216.
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Cholet, Jacques, and J. P. Fail, to Institut Francais du Petrole des Carburants & Lubrifiants. Sound wave transmitting device. 3,368,641, 2–13–68, Cl. 181—.5.

Cholet, Jacques, M. Dubesset, and M. Lavergne, to Institut Francais du Petrole, des Carburants et Lubrifiants. Towed pressure transducers with vibration isolation. 3,371,311, 2–27–68, Cl. 340—17.

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Chope, Wilbert E., to Industrial Nucleonics Corp. Inner layer displacement measuring method and apparatus. 3,405,267, 10–8–68, Cl. 250—83.3.

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Chopra, Kasturi L., and M. R. Randlett, to Kennecott Copper Corp. High current duoplasmatron having an apertured anode comprising a methal of high magnetic permeability. 3,409,529, 11–5–68, Cl. 204—192.

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Christensen, Axel, to Chemical Construction Corp. Apparatus for exothermic catalytic reactions. 3,366,461, 1–30–68, Cl. 23—289.

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Clark, Ivan D. Automatic livestock feeder. 3,382,847, 5–14–68, Cl. 119—11.

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Clark, Joseph C. Fruit picking apparatus. 3,389,543, 6–25–68, Cl. 56—337.

Clark, Joseph C. Fruit harvesting machine. 3,401,514, 9–17–68, Cl. 56—328.

Clark, Joseph R., to Parsons, Brinckerhoff, Quade & Douglas. Process and composition for purification of water supplies and aqueous wastes. 3,388,060, 6–11–68, Cl. 210—52.

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Clark, Kenneth S. Mechanical tuning peg for stringed instruments. 3,417,647, 12–24–68, Cl. 84—305.

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Clark, Richard J., and H. J. Wirtz, to Racine Hydraulics & Machinery, Inc. Remotely controllable valves. 3,411,531, 11–19–68, Cl. 137—491.
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Clarke, Chapman, & Co., Ltd.: *See*—
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Clarke, David E., to Texas Inatruments Inc. Circuit breaker having a compensating element which compensate for ambient temperature without displacing the catch attached thereto. 3,361,882, 1–2–68, Cl. 200—116.
Clarke, Denis R., to Minnesota Mining and Mfg. Co. Packaged article and method of packaging. 3,393,796, 7–23–68, Cl. 206—47.
Clarke, Derrick S. Manufacture of plastic tubing or sheeting. 3,418,688, 12–31–68, Cl. 18—14.
Clarke, Dudley S., and L. Richards, to Autoquip Corp. Constant flow hydraulic controls. 3,376,792, 4–9–68, Cl. 91—443.
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Clarke, Frederick, to Tenneco Inc. Tapping apparatus and method. 3,374,521, 3–26–68, Cl. 29—157.
Clarke, Frederick J., to International Harvester Co. Tractor mounted loader linkage. 3,370,729, 2–27–68, Cl. 214—770.
Clarke, George, to Clarke Olsen (Gears) Ltd. Gear mechanisms. 3,410,148, 11–12–68, Cl. 74—331.
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Clarke, Jesse E., to Autoquip Corp. Above the floor vehicle lift. 3,362,502, 1–9–68, Cl. 187—8.72.
Clarke, Jesse E., to Autoquip Corp. Hydraulic dock ramp controls. 3,388,413, 6–18–68, Cl. 14—71.
Clarke, Jesse E., to Autoquip Corp. Single rotary valve for hydraulic fluid and air. 3,405,601, 10–15–68, Cl. 91—4.
Clarke, John F., to Texas Instruments Inc. Ceramic brazing means. 3,382,052, 5–7–68, Cl. 29—194.
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Clarke, Ray A., to E. I. du Pont de Nemours and Co. Heteropoly acid coloration medium and process. 3,387,916, 6–11–68, Cl. 8—55.
Clarke, Ray A., and D. M. Griffin, Jr., to E. I. du Pont de Nemours and Co. Yellow diazo dyes. 3,399,188, 8–27–68, Cl. 260—152.
Clarke, Robert L., to Sterling Drug Inc. Preparation of 2-oxo steroids and novel derivatives thereof. 3,415,816, 12–10–68, Cl. 260—239.5.
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Clarke-Pounder, Ian J., to Bird Machine Co. Screening apparatus with rotary pulsing member. 3,363,759, 1–16–68, Cl. 209—273.
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Clarkson, Robert J., to Uniroyal Inc. Apparatus for crimping and texturizing yarn. 3,367,005, 2–6–68, Cl. 28—1.
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Clausen, Victor H., and A. Zweig, to Simpson Timer Co. Automatic plywood layup apparatus and method. 3,367,823, 2–6–68, Cl. 156—281.
Clausen, Victor H., and A. Zweig, to Simpson Timber Co. Composite wood veneer and means for producing same. 3,377,223, 4–9–68, Cl. 156—166.
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Clave, Serge and M. Observation port. 3,380,335, 4–30–68, Cl. 88—1.
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Clawson, Floyd J., and M. C. De Stefano; said Clawson assignor to Unifab, Inc. Method and apparatus for beneficiating minerals. 3,374,885, 3–26–68, Cl. 209—17.
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Clay, Horace A. Recessed anchor structure. 3,391,515, 7–9–68, Cl. 52—709.
Clay, Howard W., to R. F. Koebbeman. Soft head hammer. 3,385,334, 5–28–68, Cl. 145—36.
Clay, John A., to Turnbull Marine Design Co. Ltd. Cargo ships. 3,400,681, 9–10–68, Cl. 114—43.5.
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Clayborne, Norman F., M. E. Kerns, and W. E. Hamlin, to Railway Automation Maintenance Specialties Co. Method of welding continuous rail. 3,366,075, 1–30–68, Cl. 104—15.
Claycomb, Jack R. Toy boomerang. 3,403,910, 10–1–68, Cl. 273—106.
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Claycomb, Richard S., J. E. Chase, and N. W. Umphenour. Hydrotherapy and massage boot. 3,378,004, 4–16–68, Cl. 128—66.
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Clayton, Robert E., and B. M. Vanderbilt, to Esso Research and Engineering Co. Bonding rubbery polyolefins to organic materials. 3,398,045, 8–20–68, Cl. 161—208.
Clayton, Robert H., to International Telephone and Telegraph Corp. Electron system for convergence of electrons from photocathode having curvature in a single plane. 3,391,295, 7–2–68, Cl. 313—65.
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Cleary, James W., to Phillips Petroleum Co. Production of soluble polycyclopentadienes. 3,387,046, 6–4–68, Cl. 260—666.
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Cleaver, John C., G. A. Rehm, F. G. Wiegratz, and W. J. Baron, to Aqua-Chem, Inc. Boiler. 3,408,990, 11–5–68, Cl. 122—328.
Cleereman, Kenneth J., and E. R. Sederlund, to The Dow Chemical Co. Mold with mechanical seals at the parting line. 3,371,387, 3–5–68, Cl. 18—42.
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Cleereman, Kenneth J., and D. J. Dirkse, to The Dow Chemical Co. Thermolamination of plastic sheet to foam substrates. 3,398,035, 8–20–68, Cl. 156—244.
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Cleereman, Kenneth J., and E. R. Sederlund, to The Dow Chemical Co. Flywheel drive for rotating mold. 3,401,427, 9–17–68, Cl. 18—30.

Cleereman, Kenneth J., W. J. Schrenk, and P. C. Woodland, to The Dow Chemical Co. Fill point determination. 3,409,709, 11–5–68, Cl. 264—40.

Cleff, Peter H. Epicyclic gears. 3,393,584, 7–23–68, Cl. 74—801.

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Clejan, Deodat, and T. C. Gray, to Cushion Coupler Corp. Cushion couplers for railway cars. 3,367,515, 2–6–68, Cl. 213—22.

Clejan, Deodat, and J. A. Ferro, to General American Transportation Corp. Automatic car speed control system. 3,385,964, 5–28–68, Cl. 246—182.

Clejan, Deodat, deceased (by Harris Trust and Savings Bank, executor), and T. C. Gray, to Cushion Coupler Corp. Railway car provided with car coupler and combination carrying and centering mechanism therefor. 3,402,826, 9–24–68, Cl. 213—21.

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Clemens, David H., to Rohm & Haas Co. 2,4-di-t-alkyl-1,3,2,4-dithiadiazetidines. 3,365,495, 1–23–68, Cl. 260—563.

Clemens, David H., to Rohm & Haas Co. Polyesters derived from adipic acid-isophthalic acid mixtures as plasticizers for vinyl halide polymers. 3,376,242, 4–2–68, Cl. 260—22.

Clemens, David H., to Rohm & Haas Co. N,N'-bis(t-alkylamino)disulfides. 3,394,185, 7–23–68, Cl. 260—583.

Clemens, David H., to Rohm & Haas Co. Aminoethylene compositions. 3,395,142, 7–30–68, Cl. 260—240.

Clemens, David H., to Rohm & Haas Co. Polyesters derived from adipic acid and isophthalic acid. 3,395,163, 7–30–68, Cl. 260—404.8.

Clemens, David H., to Rohm and Haas Co. Heterocyclic esters of alkenylsuccinic anhydrides. 3,399,141, 8–27–68, Cl. 252—47.5.

Clemens, John E., to Industrial Nucleonics Corp. Multiple chamber liquid level probe. 3,389,250, 6–18–68, Cl. 250—43.5.

Clemens, John E., to Industrial Nucleonics Corp. Fuel gauging system for weightless tankages. 3,389,602, 6–25–68, Cl. 73—290.

Clement, Clyde H., ⅛ each to R. C. and W. J. Binkley, and W. A. Uhlig. Signal device having signal light means at each end of a rotating rod. 3,368,215, 2–6–68, Cl. 340—366.

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Clement, Frank J., to Bell Telephone Laboratories, Inc. Voice-switched interphone system. 3,372,239, 3–5–68, Cl. 179—81.

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Clement, Genevieve, M. Rebeller, and C. Zarrouk, to Institut Francais du Petrole, des Carburants et Lubrifiants. Method of culturing algae in an artificial medium. 3,403,471, 10–1–68, Cl. 47—1.4.

Clement, John C., to Industrial Nucleonics Corp. System employing plural time-spaced average computations for measuring a second variable characteristic imparted to a material initially having a first variable characteristic. 3,378,676, 4–16–68, Cl. 235—151.3.

Clement, John H. Key case. 3,406,546, 10–22–68, Cl. 70—456.

Clement, Joseph, to Modern Metal Products Co. Merchandise display vehicle. 3,388,943, 6–18–68, Cl. 296—21.

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Clement, William H., and C. M. Selwitz, to Gulf Research & Development Co. Oxidation of olefins to ketones. 3,365,499, 1–23–68, Cl. 260—597.

Clement, William H., and C. M. Selwitz, to Gulf Research & Development Co. Oxidation of olefinically unsaturated hydrocarbons to carbonyl compounds. 3,370,073, 2–20–68, Cl. 260—406.

Clemente, Salvatore O. Material handling apparatus. 3,417,859, 12–24–68, Cl. 198—122.

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Clements, Herbert A., to S.S.S. Patents Ltd. Synchronous self-shifting clutches. 3,395,782, 8–6–68, Cl. 192—67.

Clements, John B.: *See*—
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Clemson, Daniel M., to Burroughs Corp. Decoder circuit using magnetic core elements and operating a display device. 3,418,460, 12–24–68, Cl. 235—155.

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Clerc, Milton C., and P. E. Carroll. Automatic gain control employing photoresistors. 3,379,991, 4–23–68, Cl. 330—59.

Clerk, Robert C., to Richfield Industrial Equipment Ltd. Flywheels. 3,368,424, 2–13–68, Cl. 74—572.

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Robertson, William A. H., Clinch, and Fraser. 3,404,208.
Cline, Delbert C., and G. B. Harr, to Firestone Tire & Rubber Co. Shipping container. 3,416,692, 12-17-68, Cl. 220—9.
Cline, Edwin L., to Clayton Mfg. Co. Vehicle exhaust handling system. 3,415,113, 12-10-68, Cl. 73—117.
Cline, Harry A.: *See*—
Bomar, Howard E., and Cline. 3,377,441.
Cline, Henry R.: *See*—
Hammond, Clifton E., and Cline. 3,399,415.
Hammond, Clifton E., and Cline. 3,399,417.
Cline, Leslie W., to Anderson Electric Corp. Apparatus for thermally conditioning articles and the like. 3,389,478, 6-25-68, Cl. 34—216.
Cline, Robert A.: *See*—
Tonjes, Burl D., and Cline. 3,367,498.
Cline, Robert W., to Goshen Rubber Co., Inc. Hand-held device for metal working using a vibrating electrode. 3,415,970, 12-10-68, Cl. 219—70.
Cline, Ronald E., to TRW Inc. Thermal switch. 3,399,717, 9-3-68, Cl. 165—32.
Cline, Virgil P. Aquarium filter. 3,362,537, 1-9-68, Cl. 210—169.
Clingerman, Max G., and R. C. Schmidt, to Cummins Engine Co., Inc. Combination vehicle engine and self-powered air compressor. 3,365,014, 1-23-68, Cl. 180—54.
Clinical Products, Inc.: *See*—
Beach, Janet L. 3,364,932.
Clinton, Edwin T., to Stewart-Warner Corp. Caster assembly. 3,409,105, 11-5-68, Cl. 188—29.
Clinton, Henry H., to The Whitney Blake Co. Voltage regulating means for impedance bridge measuring circuits. 3,416,076, 12-10-68, Cl. 324—57.
Clinton, Henry H. Electrical device for testing for and counting flaws in the insulation of an electrical conductor passing through an electrode. 3,418,570, 12-24-68, Cl. 324—54.
Clinton, Ian R.: *See*—
Radcliffe, Arthur J., Jr., Mitchell, Griggs, and Clinton. 3,361,898.
Clinton, Raymond O., to Sterling Drug Inc. Steroido [17.16-c] pyrozoles and preparation thereof. 3,398,140, 8-20-68, Cl. 260—239.5.
Clinton Silk Mill, Inc.: *See*—
Hampson, Clinton W. 3,405,741.
Clinton, William D., to Neptune Meter Co. Turbine flowmeter. 3,364,743, 1-23-68, Cl. 73—231.
Clinton, William D., and W. P. Somers, to Neptune Meter Co. Flowmeter. 3,372,591, 3-12-68, Cl. 73—231.
Clisham, William J. Paper roll holder. 3,371,880, 3-5-68, Cl. 242—55.3.
Clitheroe, Jay B., and S. S. Mele, to Mountain Fuel Supply Co. Beneficiation of certain phosphate rock ores by froth flotation. 3,400,813, 9-10-68, Cl. 209—3.
Clive, Peter, and C. N. Gattuso, to Aquador Plastics, Inc. Inflatable pear shaped solar still. 3,367,843, 2-6-68, Cl. 202—176.
Clock, Gerald E., to The Dow Chemical Co. Coated glass article and process for making same. 3,415,673, 12-10-68, Cl. 117—72.
Clope, Richard W.: *See*—
Caplan, Richard E., Rosenthal, and Clope. 3,418,274.
Close, Albert R.: *See*—
Boschen, John A., and Close. 3,387,885.
Close, Garth, to United Steel and Wire Co. Parallelogram cart. 3,375,018, 3-26-68, Cl. 280—33.99.
Close, Garth. Navigational computer. 3,401,879, 9-17-68, Cl. 235—61.
Close, Garth, to United Steel and Wire Co. Display rack. 3,417,872, 12-24-68, Cl. 211—59.
Close, Richard N., and E. W. Sard, to United States of America, Army. Radar signal strength and error multiplier circuit. 3,405,260, 10-8-68, Cl. 235—194.
Close, Richard N., and E. W. Sard, to United States of America, Army. Automatic error correcting system. 3,406,392, 10-15-68, Cl. 343—7.3.
Close, Robert A.: *See*—
Wrench, Edwin H., Lindkvist, Mandoza, Close, Gibb, and Ford. 3,380,687.
Close, William J., to Permax Molins Proprietary Ltd. Variable speed drive unit. 3,381,542, 5-7-68, Cl. 74—230.17.
Closmann, Philip J.: *See*—
Kuo, Chiang-Hai, and Closmann. 3,393,733.
Closmann, Philip J., and M. Prats, to Shell Oil Co. Oil production method utilizing in situ chemical heating of hydrocarbons. Re. 26,466, 9-24-68, Cl. 166—11.
Closner, John J., to The Preload Co., Inc. Plastic storage tank. 3,383,004, 5-14-68, Cl. 220—9.
Closset, Maurice, to Ateliers de Constructions Electrique de Charleroi (ACEC) Societe Anonyme. Method of manufacturing a multipolar magnetic lens. 3,378,918, 4-23-68, Cl. 29—602.
Closson, Rex D.: *See*—
Coffield, Thomas H., and Closson. 3,361,779.
Napolitano, John P., and Closson. 3,391,212.
Closure Corp.: *See*—
Feigel, Harold J., and Green. 3,404,507.
Cloud, Charles E., L. M. Husak, and L. N. Krohn, to Cloud Machine Corp. Packaging method and apparatus. 3,390,617, 7-2-68, Cl. 93—8.
Cloud, Charles E., and J. R. George, to Cloud Machine Corp. Web guiding and plowing system for a packaging machine and the like. 3,398,656, 8-27-68, Cl. 93—13.
Cloud Machine Corp.: *See*—
Cloud, Charles E., and George. 3,398,656.
Cloud, Charles E., Husak, and Krohn. 3,390,617.
King, Richard G. 3,363,395.
Clough, Philip J.: *See*—
Baer, Charles A., Clough, and Steeves. 3,367,811.
Clough, Philip J., and R. W. Steeves, to National Research Corp. Vacuum metallized electrode. 3,410,785, 11-12-68, Cl. 204—290.
Clough, Roy, to United Kingdom Atomic Energy Authority. Nuclear reactor fuel elements. 3,407,116, 10-22-68, Cl. 176—68.
Clough, Thomas J.: *See*—
Young, David W., and Clough. 3,413,103.
Clough, Thomas J., and D. W. Young, to Sinclair Research, Inc. Mineral oil pour point depressor. 3,393,057, 7-16-68, Cl. 44—62.
Clougherty, Edward V.: *See*—
Kaufman, Lawrence P., and Clougherty. 3,413,134.
Clouser, Ann J., and N. J. Hessert. Two-unit insulated bottle assembly. 3,371,807, 3-5-68, Cl. 215—6.
Clouser, Paul L., and J. E. Goell, to Bell Telephone Laboratories, Inc. Waveguide phase-locked oscillators. 3,418,601, 12-24-68, Cl. 331—107.
Cloutier, Laurent L., to General Motors Corp. Vehicle body. 3,382,620, 5-14-68, Cl. 49—506.
Clover, Paul B. Tilting impellers for vertical-take off-landing aircraft. 3,383,073, 5-14-68, Cl. 244—23.
Cloyd, Harold S., and R. W. Eichelsdorfer, to Nosco Plastics, Inc. Pallet. 3,363,590, 1-16-68, Cl. 108—53.
Cloyd, Joseph O.: *See*—
Butler, Bernard B. 3,403,431.
Clucker, Richard V., and W. Gust, Jr., to Harsco Corp. Loading apparatus for demountable vehicle bodies. 3,399,795, 9-3-68, Cl. 214—517.
Cluett, Peabody & Co., Inc.: *See*—
Pfeffer, Edward C., Jr., Hughes, and Wagar. 3,398,473.
Troope, Walter S., and Cramer. 3,367,041.
Cluff, Edward F., A. T. Harris, and K. F. King, to E. I. du Pont de Nemours and Co. Composition for imparting tack to α-olefin-based elastomers. 3,380,952, 4-30-68, Cl. 260—33.8.
Cluff, Harold E., E. R. Chapman, M. S. Roush, and E. L. Gammill, to The Garrett Corp. Combination accessory drive and engine starting mechanism. 3,362,256, 1-9-68, Cl. 74—675.
Clugston Holdings Ltd.: *See*—
Buschmann, Louis. 3,360,845.
Clunie, John C.: *See*—
Tollefson, Eric L., Mcgirr, and Clunie. 3,402,994.
Clupak, Inc.: *See*—
Adams, Charles L., and McFalls. 3,381,528.
Welsh, Hewitt S. 3,362,869.
Clurman, Stanley P., to Radio Corp. of America. Tape transports. 3,392,927, 7-16-68, Cl. 242—55.12.
Clutsom & Kemp Ltd.: *See*—
Wright, Kenneth. 3,384,125.
Clutter, Carl E., to J. N. Binns. Saddle feed mechanism and method of operation. 3,398,595, 8-27-68, Cl. 74—409.
Clutton, Cecil: *See*—
Pomeroy, Laurence E. W., Sumption, Clutton, and Karslake. 3,393,580.
Clutz, David A.: *See*—
Baker, William R., Jr., and Clutz. 3,394,310.
Cluwen, Johannes M.: *See*—
Bruinsma, Anne H., and Cluwen. 3,378,699.
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Clyde Iron Works Inc.: *See*—
Kumpf, August W. 3,395,893.
McManus, Lee C. 3,365,076.
Clynch, Frank: *See*—
Cole, Jimmy R., and Clynch. 3,394,775.

Clynch, Frank. Shear wave transducing apparatus. 3,372,770, 3–12–68, Cl. 181—.5.
Coach and Car Equipment Corp.: *See*—
Costin, Robert W. 3,378,300.
Coad, Brian C., to Texas Instruments Inc. Low melting point composite materials useful for brazing, soldering or the like. 3,382,054, 5–7–68, Cl. 29—195.
Coad, Terrence M., to Snaplite Displays, Inc. Display sign with illuminated characters. 3,404,475, 10–8–68, Cl. 40—130.
Coakley, James L., and P. M. Lawhead, to Abex Corp. Fluidic-hydraulic servoactuator. 3,401,603, 9–17–68, Cl. 91—387.
Coal Industry (Patents) Ltd.: *See*—
Adcock, William J., and Sheppard. 3,370,431.
Pidgeon, Brian G. 3,407,002.
Teale, Ronald. 3,405,608.
Coalite and Chemical Products Ltd.: *See*—
Bondy, Herbert F., Williams, and Kirk. 3,417,150.
Coanda, George: *See*—
Arcarese, Joseph J., Coanda, and De Berry. 3,404,593.
Coanda, George, and A. R. Spaeth, to Pharmaseal Laboratories. Hypodermic needle and protector therefor. 3,381,813, 5–7–68, Cl. 206—63.2.
Coanda, Henri, to Coanda Water Purifier Corp. Water purifying apparatus. 3,410,758, 11–12–68, Cl. 202—177.
Coanda Water Purifier Corp.: *See*—
Coanda, Henri. 3,410,758.
Coapman, Richard T.: *See*—
Kulsga, Sylvester, Coapman, and MacDonald. 3,406,414.
Coast Elevator Co.: *See*—
Risk, Daniel W. 3,392,754.
Coast, Geoffrey, G. E. Lockett, and R. F. McIver, to United Kingdom Atomic Energy Authority. Nuclear reactor having a prestressed concrete pressure vessel. 3,371,017, 2–27–68, Cl. 176—87.
Coast Manufacturing & Supply Co.: *See*—
Wedin, James A. 3,408,239.
Coast Metals Inc.: *See*—
Hawk, Elwin A., Sr. 3,396,746.
Hawk, Elwin A., Sr. 3,399,835.
Hawk, Elwin A., Sr. 3,415,449.
Hawk, Elwin A., Sr. 3,415,450.
Coastal Dynamics Corp.: *See*—
Curl, Gerald A. 3,412,276.
Krantz, John D. 3,365,127.
Coastal Road Boring Co.: *See*—
Brack, Joe B., G. R. and C. E. Pennington, and Johnson. 3,369,617.
Coates, Clarence A., Jr.: *See*—
Fisher, John G., and Coates. 3,401,158.
Fisher, John G., and Coates. 3,415,809.
Coates, Harold, and P. A. T. Hoye, to Albright & Wilson (Mfg.) Ltd. Preparation of alkyl iodides from alkyl alcohols and organotin iodides. 3,374,278, 3–19–68, Cl. 260—652.
Coates, Harold, and P. A. T. Hoye, to Albright & Wilson (Mfg.) Ltd. Production of organotin halides. 3,387,011, 6–4–68, Cl. 460—429.7.
Coates, Harold J., to Reynolds Metals Co. Plating system. 3,408,211, 10–29–68, Cl. 106—1.
Coates, Harold J., and B. R. Ward, Jr., to Reynolds Metals Co. Alloy and finishing system. 3,400,057, 9–3–68, Cl. 204—23.
Coates, Herbert W., J. F. Baigas, Jr., M. J. Hamilton, and T. J. Haynes, Jr., to Kem-Wove Industries, Inc. Method of producing a quilted non-woven textile product. 3,405,674, 10–15–68. Cl. 112—420.
Coates, Joseph F.: *See*—
Wakeman, Reginald L., and Coates. 3,361,792.
Wakeman, Reginald L., and Coates. 3,361,793.
Wakeman, Reginald L., and Coates. 3,361,794.
Wakeman, Reginald L., and Coates. 3,361,795.
Wakeman, Reginald L., and Coates. 3,366,672.
Wakeman, Reginald L., and Coates. 3,366,673.
Wakeman, Reginald L., and Coates. 3,417,184.
Wakeman, Reginald L., and Coates. 3,419,562.
Coates, Kenneth W., Jr.: *See*—
Vandergrift, Alic M. 3,400,996.
Coates Steel Products Co.: *See*—
Smith, George H. 3,390,767.
Coats, Carlton E., R. B. Graver, and S. F. Hudak, to Ashland Oil & Refining Co. Alkyd resins prepared by simultaneously reacting (1) a polycarboxylic acid, (2) a polyhydric alcohol having at least 3 hydroxyl groups and (3) a mono-epoxyalkane having 8–26 carbon atoms. 3,397,255, 8–13–68, Cl. 260—850.
Coats & Clark, Inc.: *See*—
Eckhardt, George R. 3,398,710.
Morin, Louis H. 3,364,671.
Morin, Louis H. 3,384,949.
Morin, Louis H. 3,385,158.
Morin, Louis H. 3,385,838.
Morin, Louis H. 3,386,271.
Morin, Louis H. 3,388,572.
Morin, Louis H. 3,393,535.
Morin, Louis H. 3,398,775.
Morin, Louis H. 3,399,258.
Morin, Louis H. 3,410,121.
Williams, Ernest F. 3,376,610.
Coats Co., Inc., The: *See*—
Strang, Elmer J. 3,398,777.
Strang, Elmer J., and Sorenson. 3,361,408.
Coats, Ernest H.: *See*—
Hawes, La Marcus C., Coats, and Cooper. 3,381,758.
Coats, John H.: *See*—
Argoudelis, Alexander D., and Coats. 3,366,541.
Bergy, Malcolm E., Coats, and Hanka. 3,395,220.
Cobaugh, George D., D. F. Stock, and B. E. Wishon, to Dresser Industries, Inc. Furnace construction. 3,401,053, 9–10–68, Cl. 117—125.
Cobaugh, Robert F., to AMP Inc. Wire retainer for panelboard. 3,411,043, 11–12–68, Cl. 317—122.
Cobb, Clifton A.: *See*—
Platt, Clark I., Cobb, and Salisbury. 3,401,540.
Salisbury, Keith D., and Cobb. 3,399,552.
Cobb, Clifton A., and R. C. Lough, to Whirlpool Corp. Manual filter for a washing machine. 3,365,063, 1–23–68, Cl. 210—167.
Cobb, Clifton A., C. I. Platt, and K. D. Salisbury, to Whirlpool Corp. Washing machine agitator with adjustable vanes. 3,388,570, 6–18–68, Cl. 68—134.
Cobb, Clifton A., A. Mason, and J. L. McConnell, to Whirlpool Corp. Detergent computer. 3,400,774, 9–10–68, Cl. 177—71.
Cobb, Clifton A., and G. J. Krolzick, to Whirlpool Corp. Dryer with open end drum. 3,409,997, 11–12–68, Cl. 34—133.
Cobb, David A., to International Harvester Co. Heat exchanger rotor and method for making same. 3,416,595, 12–17–68, Cl. 165—8.
Cobb, Edwin N.: *See*—
King, Robert E., Cobb, and Schmidt. 3,388,209.
Cobb, Everett N.: *See*—
Sheldon, Harry B., and Cobb. 3,367,788.
Cobb, Raymond L.: *See*—
Bresson, Clarence R., and Cobb. 3,414,617.
Bresson, Clarence R., and Cobb. 3,414,620.
Bresson, Clarence R., and Cobb. 3,414,621.
Cobb, Raymond L., and C. R. Bresson, to Phillips Petroleum Co. Nitrogen-containing thiolsulfonates. 3,365,480, 1–23–68, Cl. 260—453.
Cobb, Robert V., E. E. Coulter, W. T. Hage, and J. K. Rice, to The Babcock & Wilcox Co. Dual beam null method and apparatus for determining the concentration of impurities in a sample. 3,383,515, 5–14–68, Cl. 250—218.
Cobb, William R., to Westinghouse Electric Corp. Fastening arrangement. 3,362,737, 1–9–68, Cl. 287—189.36.
Cobbenhagen, Alphonsus: *See*—
Cobbenghagen, Jan M. and A. and E. 3,367,657.
Cobbenhagen, Edmond: *See*—
Cobbenhagen, Jan M. and A. and E. 3,367,657.
Cobbenhagen, Jan M. and A. and E. Game having angular deviation detecting means for tracked object. 3,367,657, 2–6–68, Cl. 273—86.
Cobble, James A., Jr.: *See*—
Cobble, James A., Sr., and J. A. Cobble, Jr. 3,386,398.
Cobble, James A., Sr., and J. A. Cobble, Jr., to Southern Machine Co., Inc. Tufting machine knife block. 3,386,398, 6–4–68, Cl. 112—79.
Cobbledick, David C., and W. D. Beauchamp, to Allied Chemical Corp. Manufacture of filled urethane elastomers cured with a mixture of polyol, inert filler, mercuric salt of an aliphatic monocarboxylic acid and a basic metal compound. 3,395,108, 7–30–68, Cl. 260—18.
Cober Fabbrica Articoli Sportivi: *See*—
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Coberly, Clarence J.: *See*—
Ralph, Russell G., and Coberly. 3,412,789.
Coberly, Clarence J., to Kobe, Inc. Multiple zone well completion with common inlet and production tubings. 3,368,-628, 2–13–68, Cl. 166—68.
Coberly, Clarence J., to Kobe, Inc. Rotary, fluid operated, axial plunger pump. 3,405,641. 10–15–68. Cl. 103—49.
Cobey, Herbert T. Compost turner and windrow forming machine. 3,369,797, 2–20–68, Cl. 259—28.
Coblentz, Robert C.: *See*—
Goodwin, George I., and Coblentz. 3,416,908.
Cobler, John G.: *See*—
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Coblitz, Sanford E. Chain-tool. 3,387,513, 6–11–68, Cl. 81—66.
Coburn, Herbert D., E. P. Shear, and C. E. Steele, ½ to Champion Carriers Inc., and ½ to Texas Instruments Inc. Carrier and positioning mechanism for a seismic energy source. 3,405,780, 10–15–68, Cl. 181—.5.
Coburn Mfg. Co., Inc.: *See*—
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Suddarth, Jack M., and Gray. 3,389,508.
Coburn, Michael D., to United States of America, Atomic Energy Commission. $N^2,N^4,^6$N-tripicrylmelamine. 3,414,570, 12–3–68, Cl. 260—249.6.
Coburn, Richard J., to Dynamic Controls Corp. Radio noise-free switch. 3,402.302. 9–17–68. Cl. 307—133.
Coburn. Theodore R., to Bevis Industries, Inc. Tenter clip chain. 3,418,702, 12–31–68, Cl. 26—61.
Coca-Cola Bottling Co.: *See*—
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Coca-Cola Co., The: *See*—
Rutherford, Bruce J., Shipley, and Satchwill. 3,396,653.
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Coccagna, Edmund G., to Burroughs Corp. Extended bandwidth magnetic recording system with increased storage density. 3,376,566, 4–2–68, Cl. 340—174.1.
Coccagna, Edmund G., to Burroughs Corp. Multichannel transducing head with selectable flux paths. 3,414,893, 12–3–68, Cl. 340—174.1.

Cocce, Guy J., and E. Ivan, to Charlton Press, Inc. Printing plate delaminating apparatus. 3,364,556, 1-23-68, Cl. 29—239.

Cochardt, Alexander, to Westinghouse Electric Corp. Method for making ferrite magnets. 3,412,461, 11-26-68, Cl. 29—608.

Cochardt, Alexander W., to Westinghouse Electric Corp. Ferrite magnets. 3,371,044, 2-27-68, Cl. 252—62.54.

Cochardt, Alexander W., to Westinghouse Electric Corp. Permanent magnet material and process for manufacturing same. 3,380,920, 4-30-68, Cl. 252—62.63.

Cocherell, Richard B.: *See*—
Pamplin, James B., and Cocherell. 3,375,823.

Cochin, J. D., Mfg. Co.: *See*—
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Cochran, Alfred S., and F. B. Sikorski, to Automatic Electric Laboratories, Inc. Apparatus to select and identify one of a possible plurality of terminals calling for service in a communication switching system. 3,413,421, 11-26-68, Cl. 179—18.

Cochran, C. Norman: *See*—
Stroup, Philip T., Cochran, and Stokes. 3,395,001.

Cochran, Charles K. Wig theft alarm. 3,366,944, 1-30-68, Cl. 340—280.

Cochran, Charlie S., to Newport News Shipbuilding and Dry Dock Co. Cargo handling apparatus. 3,384,246, 5-21-68, Cl. 212—3.

Cochran, Chudleigh B., to C. C. Brown. Method for injector tubing gas lift. 3,373,816, 3-19-68, Cl. 166—46.

Cochran, Chudleigh B., and J. B. Davis, to C. O. Brown. Hydrostatic pressure set well packer. Re. 26,379, 4-23-68, Cl. 166—120.

Cochran, Edgar. Mint planter. 3,379,147, 4-23-68, Cl. 111—2.

Cochran, J. S., Jr.: *See*—
Leissler, Lee R. 3,378,087.

Cochran, Lawrence F., to Frenchtown Porcelain Co. Manufacture of ceramic bases. 3,360,852, 1-2-68, Cl. 29—624.

Cochran, Robert G.: *See*—
Cragon, Harvey G., Cochran, Watson, and Poe. 3,411,145.

Cochran, Thomas J., C. P. Coughlin, L. P. Remsen, and R. J. Straub, to International Business Machines Corp. Injection printing of electrical circuit components. 3,384,931, 5-28-68, Cl. 18—30.

Cochran, William H., II to Madison Research & Development Corp. Method of making a tufted fabric. 3,383,259, 5-14-68, Cl. 156—148.

Cochrane, Chappelle C.: *See*—
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Cochrane, Robin A., to Girling Ltd. Pivoted, closed loop type disc brake. 3,365,030, 1-23-68, Cl. 188—73.

Cochrum, William A., to The Fastron Co. Fastening device. 3,372,366, 3-5-68, Cl. 339—272.

Cochrum, William A., to The Fastron Co. Device for clamping wires to terminals. 3,398,393, 8-20-68, Cl. 339—246.

Cockburn, Johney: *See*—
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Cocke, Erle, Jr.: *See*—
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Cocker, John D., K. D. E. Whiting, and G. B. Webb, to Glaxo Laboratories Ltd. Production of (—)-2-dehydroemetine and intermediates employed therein. 3,3622,959, 1-9-68, Cl. 260—286.

Cocker Machine & Foundry Co.: *See*—
Cunningham, Hoyt, Jr., and Schmidt. 3,388,806.
Cunningham, Hoyt, Jr., and Schmidt. 3,409,141.
Diehl, Walter L. 3,405,543.
Graham, Charles B., and Mutter. 3,405,538.
Schmidt, William L. 3,368,767.
Schmidt, William L. 3,402,902.
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Cockerell, Christopher S., to Hovercraft Development Ltd Vehicles for travelling over land and/or water. 3,363,716. 1-16-68, Cl. 180—122.

Cockerell, Christopher S., to Hovercraft Development Ltd. Vehicle for operation over fluid surfaces. 3,360,514, 2-20-68, Cl. 114—67.

Cockerell, Christopher S., to Hovercraft Development Ltd. Flexible skirts for vehicle for travelling over land and/or water. 3,381,772, 5-7-68, Cl. 180—128.

Cockerell, Christopher S., to Hovercraft Development Ltd. Vehicle for travelling over land and/or water. 3,412,956, 11-26-68, Cl. 244—2.

Cockerell Christopher S., H. W. Grace, and J. A. Boutland, to Hovercraft Development Ltd. Water-borne gas-cushion vehicles. 3,405,675, 10-15-68, Cl. 114—67.

Cockle, Roy R., and G. D. Nelson. Grain saving device for combines. 3,367,496, 2-6-68, Cl. 209—261.

Cockle Ventilator Co., Inc.: *See*—
Doane, De Witt H. 3,364,664.
Marks, Ulrich G. 3,376,804.

Cockrell, William D., to General Electric Co. Card reader. 3,405,255, 10-8-68, Cl. 235—61.11.

Cocks, Alan C., and A. A. R. Wood, to United States Borax & Chemical Corp. Method for bonding aluminum to borides. 3,372,732, 3-12-68, Cl. 164—102.

Cocks, Eric H. Apparatus for applying hot metal adhesives. 3,408,008, 10-29-68, Cl. 239—135.

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Dajani, Mahmoud T., and Cocks. 3,408,292.

Cockshott, Charles P., to J. Lucas (Industries) Ltd. Semiconductor devices. 3,419,442, 12-31-68, Cl. 148—187.

Coco, Michael. Hand guard or grip. 3,381,304, 5-7-68, Cl. 2—20.

Cocquart, Jean H., to Societe Industrielle Bull-General Electric (Societe Anonyme). Matrix memory assembly. 3,404,389, 10-1-68, Cl. 340—174.

Cocquyt, Franz: *See*—
Osterrieth, Michel, and Cocquyt. 3,367,998.

Codamite Corp.: *See*—
Takenaka, George. 3,374,873.

Coddington, David M., and A. E. Lipson, to Esso Research and Engineering Co. Rubbery copolymers with improved tack. 3,379,671, 4-23-68, Cl. 260—336.

Code, Rheta M. H., and J. B. Lindecker. Racing boots for horses. 3,386,226, 6-4-68, Cl. 54—82.

Codella, Sylvio G.: *See*—
Calhoun, Francis R., and Codella. 3,403,413.

Coder, William D., Jr.: *See*—
Hughes, George K., Coder, and Glaser. 3,390,128.

Coder, William D., Jr., M. A. Glaser, and A. H. Stein, to The Dexter Corp. Liquid acrylonitrile-butadiene copolymer modified nitrocellulose lacquer for finishing bowling lanes. 3,402,057, 9-17-68, Cl. 106—195.

Codex Corp.: *See*—
Massey, James L. 3,402,393.

Codina, Anthony E., and G. C. Punton. Sandblaster for floors. 3,407,538, 10-29-68, Cl. 51—8.

Codling, John W., and J. W. Sweet; said Sweet, assor. to said Codling. Surgical clip with means for releasing the clamping pressure. 3,378,010, 4-16-68, Cl. 128—325.

Codman & Shurtleff, Inc.: *See*—
Mallina, Rudolph F. 3,366,301.

Coe Laboratories, Inc.: *See*—
McCabe, James M. 3,371,977.

Coe Mfg. Co., The: *See*—
Morris, Edward P. 3,418,727.
Skoog, Per O. 3,405,746.

Coe, Merrill J., to Brown Co. Carry-out tray having end wall panels. 3,394,864, 7-30-68, Cl. 299—28.

Coe, Merrill J., to Brown Co. Carry-out tray. 3,400,875. 9-10-68, Cl. 229—28.

Coe, Stanley H.: *See*—
Stein, Robert R., and Coe. 3,392,419.

Coe, Thomas D., to Wakefield Engineering, Inc. Heat transfer apparatus. 3,387,653, 6-11-68, Cl. 165—165.

Coe, Thomas D., to Wakefield Engineering, Inc. Semiconductor device cooling. 3,407,868, 10-29-68, Cl. 165—80.

Coe, William H. Push button control unit. 3,364,783, 1-23-68, Cl. 74—503.

Coe, William H., to National Lock Co. Receptacle and follower assembly. 3,370,591, 2-27-68, Cl. 129—31.

Coen, Alberto, F. Bertinotti, and F. Sebastiano, to Montecatini Edison S.p.A. Films of improved characteristics from alpha-olefin polymers and process for preparing them. 3,361,728, 1-2-68 Cl. 260—93.7.

Coen, Aldo L. Method for forming a field structure for magnetic loudspeaker. 3,367,165, 2-6-68, Cl. 72—348.

Coen Co.: *See*—
Rohrer, Thomas A. 3,391,866.
Voorheis, Temple S. 3,409,382.
Voorheis, Temple S. 3,409,383.
Voorheis, Temple S., and Vosper. 3,391,981.

Coenen, Joseph H., to Minnesota Mining and Mfg. Co. Photographic processing using cellophane processing sheets. 3,416,921, 12-17-68, Cl. 96—29.

Coenning, Frank: *See*—
Hoffmann, Gunther, and Coenning. 3,414,809.

Coensgen, Frederic H., W. F. Cummins, and W. E. Nexsen, Jr., to United States of America, Atomic Energy Commission. Device for forming replica images of particle distributions in a plasma stream. 3,379,880, 4-23-68, Cl. 250—71.5.

Coetzee, Jacob J.: *See*—
Dery, Janos F., Coetzee, and Selmer-Olsen. 3,395,011.

Cofek, Henry R.: *See*—
Avgerinos, Costas, and Cofek. 3,369,643.

Cofer, Daniel B., and G. C. Ward, to Southwire Co. Apparatus for and process of coiling rods. 3,395,560, 8-6-68, Cl. 72—66.

Cofer, Kenneth B., to Shell Oil Co. High purity diepoxide. 3,413,320, 11-26-68, Cl. 260—348.

Coffer, Henry F.: *See*—
Bray, Bruce G., Knutson, and Coffer. 3,409,082.
Kuzel, Norbert R., and Coffey. 3,401,087.

Coffer, Henry F., D. A. Shock, W. W. Woods, and J. M. Crawford, to Continental Oil Co. Method for isolating a cavity. 3,407,605, 10-29-68, Cl. 61—1.

Coffey, Robert S., and L. A. Duncanson, to Imperial Chemical Industries, Ltd. Oxidation of aromatic hydrocarbons to phenols. 3,408,409, 10-29-68, Cl. 260—621.

Coffield, Thomas H., and R. D. Closson, to Ethyl Corp. Organometallic compounds. 3,361,779, 1-2-68, Cl. 260—429.

Coffin, Bertram D., Jr., and J. V. Werme, to Bailey Meter Co. System for display of a word description of parameters and values thereof in response to an input of a word description of the parameter. 3,388,380, 6-11-68, Cl. 340—147.

Coffin, David P., Jr., and A. B. Iwaskiw, to The Bunker-Ramo Corp. Nonreciprocal signal coupling apparatus using optical coupling link in waveguide operating below cutoff. 3,385,970, 5-28-68, Cl. 250—199.

Coffin, William J., and R. W. Hockenbury, to Campbell Soup Co. Process for preparing bone stock. 3,368,906, 2-13-68, Cl. 99—110.

Coffman, Audrey D.: *See*—
Coffman, Samuel W. 3,400,305.

Coffman, Fredereck S.: *See*—
Burhns, Charles D., Doak, and Coffman. 3,363,335.

Coffman, J. D., and W. G. Brown, to Worthington Corp. Measuring chamber bridge for use in water meters. 3,369,-399, 2–20–68, Cl. 73—272.

Coffman, John A., and W. R. Browne, to General Electric Co. Corona discharge coating processes. 3,415,683, 12–10–68, Cl. 117—230.

Coffman, John D.: *See*—
Coffman, Samuel W. 3,400,305.

Coffman, Leroy J. Golf bag cart and shoe rack. 3,413,012, 11–26–68, Cl. 280—47.19.

Coffman, Lyle T.: *See*—
Bryant, Horace B., Jr., and Coffman. 3,397,743.

Coffman, Mark J.: *See*—
Coffman, Samuel W. 3,400,305.

Coffman, Moody L., and F. M. Shiflet. Acoustic control units. 3,411,605, 11–19–68, Cl. 181—30.

Coffman, Samuel W., ⅛ each to A. D., S. W., J. D., and M. J. Coffman. Alternating current electrodes for electrochemical power cells. 3,400,305, 9–3–68, Cl. 317—231.

Coffman, Stephen W.: *See*—
Coffman, Samuel W. 3,400,305.

Coffman, Wilson R. Water treatment apparatus. 3,381,699, 5–7–68, Cl. 137—101.21.

Cofrancesco, Anthony J., to GAF Corp. Method of preparing water insoluble fluorescent triazolylstilbene brighteners. 3,406,169. 10–15–68, Cl. 260—240.

Cogar, George R., to Sperry Rand Corp. Hole count checker. 3,376,408, 4–2–68, Cl. 235—61.7.

Cogar, George R., to Sperry Rand Corp. Fluid shift flip-flop. 3,410,312, 11–12–68, Cl. 137—81.5.

Cogdell, David M., W. F. McClure, and J. W. Baggett; said McClure assor. of 11⅓% each to said Cogdell and said Baggett. Medication dispensing means. 3,395,829, 8–6–68, Cl. 221—15.

Coggins, Robert W.: *See*—
Burrus, Bill S., Hill, Coggins, and Boling. 3,405,690.
Burrus, Bill S., Hill, Coggins, and Boling. 3,405,759.
Francis, Alex W., Jr., Coggins, and Brown. 3,366,331.

Coggins, Robert W., to Combustion Engineering Inc. Means for conserving heat and regulating temperature in a stack. 3,405,509, 10–15–68, Cl. 55—160.

Coghill, James T., to The Black-Clawson Co. 3,394,602, 7–30–68, Cl. 74—192.

Coglianese, Fred V., and B. E. Tate, to Chas. Pfizer & Co., Inc. Textile process and composition. 3,366,509, 1–30–68, Cl. 117—138.8.

Cogliano, Joseph A., and G. L. Braude, to W. R. Grace & Co. Sulfide-chloramine reaction and process for making same. 3,379,759, 4–23–68, Cl. 260—551.

Cogliati, Guido, R. De Leone, E. Mezi, G. Scibona, and R. Lanz, to Comitato Nazionale per l'Energia Nucleare. Process for producing dense particles of oxides of actinides usable as fuels for nuclear reactors. 3,401,122, 9–10–68, Cl. 252—301.1.

Cogsdill, Glen H. Deburring tool. 3,377,890, 4–16–68, Cl. 77—73.5.

Cogswell, David W., to United Aircraft Corp. Thermal garment and the construction thereof. 3,400,756, 9–10–68, Cl. 165—46.

Cohan, Alvin M., to American Production Machine Co. Dual finishing apparatus for cylindrical containers. 3,388,686, 6–18–68, Cl. 118—4.

Cohen, Aaron, B. Heath-Brown, and C. J. Cattanach, to Hoffmann-La Roche Inc. N-lower alkylidene amino-iminodibenzyl. 3,373,153, 3–12–68, Cl. 260—239.

Cohen, Aaron, B. Heath-Brown, and C. E. Smithen, to Hoffmann-La Roche Inc. Process for the preparation of N-amino-iminodibenzyl. 3,373,154, 3–12–68, Cl. 260—239.

Cohen, Aaron, and B. Heath-Brown, to Hoffmann-La Roche Inc. Certain benzazepinoxyridoindole compounds and their preparation. 3,373,168. 3–12–68, Cl. 260—293.

Cohen, Aaron, and B. Heath-Brown, to Hoffmann-La Roche Inc. N-amino-iminodibenzyl. 3,383,382, 5–14–68, Cl. 260—239.

Cohen, Abraham B., to Executone Inc. Noise controlled sound reproducing system. 3,410,958, 11–12–68, Cl. 179—1.

Cohen, Abraham B., and A. C. Shoenthaler, to E. I. du Pont de Nemours and Co. Photopolymerizable compositions and elements. 3,380,831, 4–30–68, Cl. 96—115.

Cohen, Abraham B., and V. J. Webers, to E. I. du Pont de Nemours and Co. Preparation of printing plates by heat plus a pressure gradient. 3,395,014, 7–30–68, Cl. 96—28.

Cohen, Albert: *See*—
Cohen, Joel and A. 3,384,385.

Cohen, Albert, and C. W. Creaser, Jr., to Communication Structures Inc. Antenna feedhorn support structure. 3,419,-871, 12–31–68, Cl. 343—781.

Cohen, Alex: *See*—
Giringione, Joseph L., Cohen, Franco, Stevens, and Tronolone. 3,392,953.

Cohen, Alfred G.: *See*—
Small, Samuel N. 3,410,285.
Small, Samuel N., Cohen, Weiss. 3,419,295.

Cohen, Allen I.: *See*—
Levine, Seymour D., and Cohen. 3,365,466.

Cohen, Arnold H.: *See*—
Pursiano, Leonard C., and Cohen. 3,392,382.

Cohen, Arthur M., and J. P. Ettinger, to Electric Regulator Corp. Fluid control system. 3,410,088, 11–12–68, Cl. 60—54.5.

Cohen, Bernard J., to Anaconda Wire and Cable Co. Weathertight reel for pipe-type cable. 3,381,812, 5–7–68, Cl. 206—59.

Cohen, Boris, to All-Luminum Products, Inc. Locking mechanism for foldable tables. 3,368,504, 2–13–68, Cl. 108—131.

Cohen, Charles A., and C. W. Muessig, to Esso Research and Engineering Co. Jet and rocket fuel. 3,381,046, 4–30–68, Cl. 260—666.

Cohen, D. & H., Ltd.: *See*—
Sherriff, Cecil S. 3,413,657.

Cohen, David, and J. N. McGill, to Whirlpool Corp. Refrigerator apparatus. 3,364,694, 1–23–68, Cl. 62—265.

Cohen, David D., and A. F. Du Fresne, to Dupaco, Inc. Blood pressure cuff transducer. 3,416,516, 12–17–68, Cl. 128—2.05.

Cohen, David J.: *See*—
Blivice, Sidney L., and Cohen. 3,404,393.

Cohen, Edward A.: *See*—
Bosworth, Robert H., and Cohen. 3,376,951.

Cohen, Elie, and S. Roth. Eddy-current couplings and brakes. 3,366,810, 1–30–68, Cl. 310—96.

Cohen, Elliott: *See*—
Bach, Frederick L., Barclay, and Cohen. 3,375,256.

Cohen, Hans M.: *See*—
Altenpohl, Dietrich, Zoller, and Cohen. 3,392,062.

Cohen, Harold W., and W. A. Peterson to Dynalectron Corp. Hydraulic system conditioning apparatus. 3,394,812, 7–30–68, Cl. 210—134.

Cohen, Harry G., and D. M. Turnbull, to Pullman Inc. Vehicle floor support. 3,410,574, 11–12–68, Cl. 280—106.

Cohen, Herman. Process for preserving citrus fruit food products. 3,396,040, 8–6–68, Cl. 99—186.

Cohen, Howard R., to Ann Page Mfg. Corp. Combination sheath and scarf. 3,381,309, 5–7–68, Cl. 2—207.

Cohen, Jerome M., to The Lubrizol Corp. Basic, sulfurized phenates and salicylates and method for their preparation. 3,410,798, 11–12–68, Cl. 252—37.2.

Cohen, Joel and A. Trash can. 3,384,385, 5–21–68, Cl. 280—79.2.

Cohen, Leo, to Reliance Electric and Engineering Co. 3,395,-296, 7–30–68, Cl. 310—51.

Cohen, Leonard A. Composite space vehicle. Re. 26,475, 10–8–68, Cl. 244—1.

Cohen, Louis: *See*—
Cole, Louis, and Cohen. 3,392,955.

Cohen, Manuel, and E. Kronson, to Wagner Folding Box Corp. Ice cream cone carrier. 3,366,305, 1–30–68, Cl. 229—28.

Cohen, Martin J., D. I. Carroll, H. C. Gibson, Jr., K. R. Grice, Jr., and R. F. Wernlund, to Franklin Gno Corp. Radiation detection system for missile scoring. 3,363,100, 1–9–68, Cl. 250—71.5.

Cohen, Marvin P.: *See*—
Shavel, John, Jr., von Strandtmann, and Cohen. 3,364,-224.

Cohen, Max: *See*—
Miller, Marvin D., Cohen, and Graham. 3,365,331.

Cohen, Milton J. Dental pad. 3,386,440, 6–4–68, Cl. 128—268.

Cohen, Milton J. Needle-hub assembly for hypodermic syringe. 3,401,693, 9–17–68, Cl. 128—221.

Cohen, Milton J. Hypodermic syringes. 3,413,974, 12–3–68, Cl. 128—218.

Cohen, Milton S., to Arthur D. Little, Inc. Stylus assembly. 3,369,254, 2–13–68, Cl. 346—139.

Cohen, Milton S., to Arthur D. Little, Inc. Facsimile transmission system. 3,392,232, 7–9–68, Cl. 178—6.

Cohen, Morris: *See*—
Bloom, Leon, Cohen, and Porter. 3,394,353.
Goodman, Ira, and Cohen. 3,364,430.

Cohen, Murray F., I. S. Englander, and S. Girsch, to Kollsman Instrument Corp. Circular scanner having superimposed dither. 3,409,777, 11–5–68, Cl. 250—203.

Cohen, Murray S.: *See*—
Fein, Marvin M., and Cohen. 3,376,347.

Cohen, Paul, to Westinghouse Electric Corp. Process for opening containers of radioactive and toxic materials. 3,366,716, 1–30–68, Cl. 264—.5.

Cohen, Peter J., and P. W. Ackerman, to Tele-Signal Corp. Frequency corrected digital clock with memory in phase control loop. 3,364,439, 1–16–68, Cl. 331—17.

Cohen, Robert J.: *See*—
Swanson, Clifford O., and Cohen. 3,362,232.

Cohen, Saul M., and E. Heuman. Label sewer. 3,377,972, 4–16–68, Cl. 112—104.

Cohen, Saul M., and R. H. Young, Jr., to Monsanto Co. Two-stage process for making sulfone polymers. 3,418,277, 12–24–68, Cl. 260—49.

Cohen, Seymour: *See*—
Hecker, Arthur C., Pollick, and Cohen. 3,364,159.

Cohen, Sidney: *See*—
Wakeman, Reginald L., Cohen, and Dudzinski. 3,405,104.

Cohen, Theodore. Air conditioning system having fresh air intake. 3,402,760, 9–24–68, Cl. 165—21.

Cohen, Theodore A., to Naxon Telesign Corp. Multiple tape transmitters for changing message signs and the like. 3,366,946, 1–30–68, Cl. 340—339.

Cohen, Werner V., and E. C. Dietemann, to E. I. du Pont de Nemours and Co. Water-miscible, storage-stable auramine base solution and process of preparing same. 3,373,199, 3-12-68, Cl. 260—566.

Cohen, William D., and M. Skrivanek, Jr., to Digitronics Corp. Rotating shaft driven code converter and recorder. 3,383,-698, 5-14-68, Cl. 346—74.

Cohlan, Bernard F. Drag free spacecraft. 3,369,770, 2-20-68, Cl. 244—1.

Cohler, Edmund U., to Syvania Electric Products Inc. Electronic switching circuits. 3,380,038, 4-23-68, Cl. 340—174.

Cohly, Mauj A.: *See*—
Talty, Robert D., and Cohly. 3,408,918.

Cohly, Mauj A., to Tee-Pak, Inc. Iron tanning of edible collagen casings. 3,408,917, 11-5-68, Cl. 99—176.

Cohly, Mauj A., and A. F. Turbak, to Tee-Pak, Inc. Edible collagen sausage casing and method of preparing same. 3,408,916, 11-5-68, Cl. 99—176.

Cohn, Charles C., to Samuel L. and Charles C. Cohn, d.b.a. Colonial Alloys Co. 3,376,205, 4-2-68, Cl. 204—35.

Cohn, Eugene: *See*—
Cohn, Samuel, and Catallo. 3,402,059.
Cohn, Samuel and E., and Catallo. 3,412,411.

Cohn, Eugene, S. P. Snyder, and F. Catallo, to Samcoe Holding Corp. Method and means for converting tubular knitted fabric to open width. 3,381,397, 5-7-68, Cl. 38—2.

Cohn, Eugene, S. P. Snyder, and F. Catallo, to Samcoe Holding Corp. Method and apparatus for slitting and opening tubular knitted fabric. 3,401,584, 9-17-68, Cl. 83—15.

Cohn, Irving H., to Simmonds, Precision Products, Inc. Capacitance-type measuring apparatus for fluids in a supercritical state including a diode linearization network. 3,419,-801, 12-31-68, Cl. 324—61.

Cohn, Marius, and R. Lindaman, to Sperry Rand Corp. Data processing system. 3,372,377, 3-5-68, Cl. 340—146.2.

Cohn, Samuel, deceased (by E. Cohn, and J. Rothenberg, executors), and F. Catallo, to Samcoe Holding Corp. Method and apparatus for applying adhesive and slitting tubular fabric. 3,402,059, 9-17-68, Cl. 117—4.

Cohn, Samuel and E., and F. Catallo, to Samcoe Holding Corp. Method for dyeing tubular knit material. 3,412,411, 11-26-68, Cl. 8—151.

Cohn, Seymour B., to Emerson Electric Co. Precision radio frequency energy phase measuring system. 3,399,345, 8-27-68, Cl. 324—84.

Cohon, Bertram. Lamp assembly. 3,396,268, 8-6-68, Cl. 240—81.

Cohu Electronics, Inc.: *See*—
Tompkins, William R. 3,372,343.
Tompkins, William R., and Kimball. 3,373,298.

Cohz, Samuel N., to Owens-Illinois, Inc. Process for treating glass cathode-ray tube envelopes. 3,410,723, 11-12-68, Cl. 134—22.

Cola, Edward S.: *See*—
Bieri, David, and Cola. 3,389,042.

Cola, Pasco A., to General Signal Corp. Controller including a multivibrator-fed step motor. 3,408,548, 10-29-68, Cl. 318—28.

Cola, Pasco A., and Q. C. Turtle, to General Signal Corp. Noise nulling network for magnetic flowmeter. 3,377,855, 4-16-68, Cl. 73—194.

Coilcraft, Inc.: *See*—
Renskers, John O. 3,368,276.
Russell, Martyn. 3,390,364.

Coindreau, Gilbert: *See*—
Blomet, Denise S. O. S., and Coindreau. 3,407,566.

Cointe, Marcel L., to Etablissements Gaston Verdier. Methods of manufacturing knitted goods incorporating darts, and articles obtained thereby. 3,374,645, 3-26-68, Cl. 66—89.

Colt, Roland L., and E. F. Stalcup, to Westinghouse Electric Corp. Flash evaporation apparatus and method. 3,367,845, 2-6-68, Cl. 202—173.

Coker, Delbert E.: *See*—
Powers, John M., and Coker. 3,378,486.

Coker, Gerald C., and B. W. Bodek, to Ford Motor Co. Dual-hinged tailgate. 3,387,406, 6-11-68, Cl. 49—192.

Coker, Richard G., and C. K. Dunlap, Jr., to Sonoco Products Co. Sizing device for tubular articles. 3,377,985, 4-16-68, Cl. 118—101.

Cola, Rudolph A., R. R. Verderber, J. G. Simmons, and R. A. Tracy, to Burroughs Corp. Solid state electron emissive memory and display apparatus and method. 3,363,240, 1-9-68, Cl. 340—173.

Colad Co., Inc., The: *See*—
Bender, Raymond H. 3,384,523.

Colangione, Ralph J.: *See*—
Stetz, William, and Colangione. 3,399,499.

Colato, Albert E., to Plastics, Inc. Disposable food storage and serving device. 3,374,936, 3-26-68, Cl. 229—2.5.

Colbenson, Donald L.: *See*—
Seufert, Helmut, and Colbenson. 3,401,919.

Colbert, Dolores B.: *See*—
Colbert, Lee J. Re. 26,491.

Colbert, John R., to Magnaflux Corp. Piezoelectric ultrasonic transducer. 3,376,438, 4-2-68, Cl. 310—8.2.

Colbert, Lee J., deceased (D. B. Colbert, executrix). Cable splicing device. Re. 26,491, 11-12-68, Cl. 249—90.

Colburn, Lyle W.: *See*—
Caldecourt, Victor J., Colburn, and Slykhouse. 3,381,521.

Colburn, Lyle W., to The Dow Chemical Co. Breaking foams on foaming aqueous liquids. 3,404,095, 10-1-68, Cl. 252—321.

Colburn, Michael H., to Globe-Union Inc. Angularly adjustable control. 3,412,360, 11-19-68, Cl. 338—162.

Colby, Edward E., and A. Kokal, Jr., to The Procter & Gamble Co. Process for preparing pastry crust mixes. 3,384,494, 5-21-68, Cl. 99—94.

Colchester, John E., and J. H. Entwisle, to Imperial Chemical Industries Ltd. Process for producing N:N'-disubstituted 4:4'-bipyridylium salts. 3,405,135, 10-8-68, Cl. 260—295.

Colclaser, Robert G., Jr., to Westinghouse Electric Corp. Circuit breaker testing circuits in which a normally closed pair of contacts in a high current path short circuits a high recovery voltage source and another pair of normally closed contacts forms a low impedance shunt circuit across the high voltage source until both pairs of contacts are opened. 3,398,357, 8-20-68, Cl. 324—28.

Colclaser, Robert G., Jr., and F. L. Reese, to Westinghouse Electric Corp. Gas-blast circuit breaker having a movable tubular venting contact and a laterally-arranged exhaust vent in the interrupting chamber. 3,379,848, 4-23-68, Cl. 200—148.

Colclaser, Robert G., Jr., and R. E. Friedrich, to Westinghouse Electric Corp. Electric power distribution systems. 3,383,519, 5-14-68, Cl. 307—93.

Colding, Bertil, to Diadur Aktiebolag. Cutting insert for chip cutting machining and means for manufacturing such cutting inserts. 3,369,283, 2-20-68, Cl. 29—95.

Colditz, Werner: *See*—
Reth, Erich, and Colditz. 3,400,623.

Coldren, Daniel R., to AMP Inc. Electrical contact. 3,383,638, 5-14-68, Cl. 339—17.

Coldren, Daniel R., and R. R. Lau, to AMP Inc. Electrical connector. 3,369,212, 2-13-68, Cl. 339—32.

Coldren, Daniel R., and R. R. Lau, to AMP Inc. Fastener. 3,374,979, 3-26-68, Cl. 248—223.

Coldren, Daniel R., and R. R. Lau, to AMP Inc. Fastener. 3,375,749, 4-2-68, Cl. 85—80.

Cole, Alan. Portable lock for motor vehicle doors and windows. 3,416,827, 12-17-68, Cl. 292—288.

Cole, Albert J., and F. L. Edris, to The Firestone Tire and Rubber Co. Polymerization process, polymers produced and xerographic members therefrom. 3,409,575, 11-5-68, Cl. 260—27.

Cole, Austin III. Foam mixing head. 3,361,412, 1-2-68, Cl. 259—4.

Cole, Bernard A., to Erie Resistor Ltd. Electrical module having terminals made from semicircular wire and method of making the same. 3,417,193, 12-17-68, Cl. 174—68.5.

Cole, Bernard M., to Stribbons, Ltd. Package tie with gift card. 3,370,779, 2-27-68, Cl. 229—46.

Cole, Charles A. Telephone line connector. 3,375,482, 3-26-68, Cl. 339—109.

Cole, Donald W., and R. K. May, to General Dynamics Corp. Double reverse corrugated material. 3,376,684, 4-9-68, Cl. 52—635.

Cole, Donald W., A. E. Mitchell, and B. I. Whitlock, to AWB Mfg. Co., Inc. Wheel balancer for dual tired vehicle. 3,400,-982, 9-10-68, Cl. 301—5.

Cole, Douglas I., to General Electric Co. Expendable immersion thermocouple including weight. 3,374,122, 3-19-68, Cl. 136—234.

Cole, Douglas I., to General Electric Co. Storage and release apparatus for measuring devices. 3,396,580, 8-13-68, Cl. 73—343.

Cole, E. K., Ltd.: *See*—
Cox, Victor J. 3,381,204.

Cole, Edward L.: *See*—
Sensel, Eugene E., and Cole. 3,406,123.

Cole, Edward L., and E. C. Knowles, to Texaco Inc. Preparation of metal aluminides. 3,391,999, 7-9-68, Cl. 23—204.

Cole, Harry G. Mop having a pad of disposable sheets. 3,376,-595, 4-9-68, Cl. 15—228.

Cole, Harvey M.: *See*—
Friauf, George F., Jordan, and Cole. 3,413,093.
Jordan, Merrill E., Burbine, Cole, and Petterson. 3,397,-961.

Cole, Henry B.: *See*—
Hopkins, Ethan C., and Cole. 3,395,006.

Cole, Henry B., to American Optical Co. Method for forming image-transfer devices embodying light-conducting fibers and light-absorbing filaments. 3,387,959, 6-11-68, Cl. 65—4.

Cole, Henry B., to American Optical Co. Optical fibers and fiber optical image-transfer devices having light absorbing elements. 3,397,022, 8-13-68, Cl. 350—96.

Cole, Howard I.: *See*—
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Cole, Howard W., Jr. Apparatus for detecting density of fluids. 3,377,840, 4-16-68, Cl. 73—32.

Cole, James B.: *See*—
Rehr, Henry W., Weinert, and Cole. 3,371,767.

Cole, James D. Self-aligning bearing structures. 3,363,950, 1-16-68, Cl. 308—72.

Cole, Jimmy R.: *See*—
Brown, Graydon L., Newlin, Thomas, and Cole. 3,361,949.

Cole, Jimmy R., and P. L. Buller. Seismic cable depth control apparatus. 3,373,800, 4-2-68, Cl. 114—235.

Cole, Jimmy R., and F. Clynch, to Continental Oil Co. Marine vibration transducer. 3,394,775, 7-30-68, Cl. 181—.5.

Cole, John A., to The Water Research Association. Devices for transmitting signals. 3,382,705, 5-14-68, Cl. 73—40.5.

Cole, John L., and J. J. Muray, to United States of America, Atomic Energy Commission. Pulse energizing and energy recovery system for an electromagnet. 3,405,327, 10-8-68, Cl. 317—151.

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Lynch, Don M., and Cole. 3,386,996.
Tadanier, John S., and Cole. 3,402,186.
Cole, John W., to Abbott Laboratories. 3,17-Disubstituted 5,6-dichloro androstanes. 3,376,321, 4–2–68, Cl. 260—397.1.
Cole, John W., and E. Menzer, Jr., to American Cyanamid Co. Grinding machines. 3,408,773, 11–5–68, Cl. 51—103.
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Worth, Lewis R. 3,384,853.
Cole, Lawrence R. Visual aid teaching device. 3,397,468, 8–20–68, Cl. 35—63.
Cole, Louis, and L. Cohen. Device which integrates a bath-room scale with a chart or record sheet so that entries may be made therein when the person weighs himself. 3,392,-955, 7–16–68, Cl. 248—446.
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Hatcher, John C. 3,369,849.
Hatcher, John C. 3,397,933.
Cole, Michael E., to Harbison-Walker Refractories Co. Basic oxygen furnace construction. 3,370,840, 2–27–68, Cl. 266—43.
Cole, Norman R., and P. A. Duryee. Stove. 3,362,394, 1–9–68, Cl. 126—63.
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Cole, Raymond C., to International Playtex Corp. Brassiere. 3,393,682, 7–23–68, Cl. 128—490.
Cole, Robert B., to United States of America. Bidirectional rotary spring return mechanism. 3,379,283 4–23–68, Cl. 185—37.
Cole, Robert E., C. C. Roecks, R. Sommerer, and E. D. Welle, to General Electric Co. Tape handler reel control system. 3,400,895, 9–10–68, Cl. 242—55.12.
Cole, Robert H., to The Bunker-Ramo Corp. Content addressable memories. 3,389,377, 6–18–68, Cl. 340—172.5.
Cole, Roger M., to Eastman Kodak Co. Stabilized physical developers. 3,390,998, 7–2–68, Cl. 96—66.5.
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Norton, John P., and Cole. 3,368,364.
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Marsh, William J. 3,382,027.
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Coleman, James E., to Esso Research and Engineering Co. Stabilized hydrazine bis-borane. 3,382,050, 5–7–68, Cl. 23—358.
Coleman, Jeffrey R. Cooler container. 3,394,562, 7–30–68, Cl. 62—457.
Coleman, John R., Jr., to Marathon Oil Co. Carbon monoxide removal of discolorants from chromate oxidation products. 3,395,177, 7–30–68, Cl. 260—524.
Coleman, John W., and J. J. Schuler, to Radio Corp. of America. Cathode arrangement of an electron microscope for reducing the occurrence of virtual cathodes. 3,363,961, 1–16–68, Cl. 313—82.
Coleman, Lawrence J. Meat tongs. 3,374,026, 3–19–68, Cl. 294—16.
Coleman, Lester E., to The Lubrizol Corp. Lubricants containing polymeric additives. 3,372,120, 3–5–68, Cl. 252—51.5.
Coleman, Lester E., to The Lubrizol Corp. Fluorine-containing copolymers. 3,413,226, 11–26–68, Cl. 252—51.5.
Coleman, Myron. Block for refractory linings. 3,394,521, 7–30–68, Cl. 52—574.
Coleman, Ralph A., to American Cyanamid Co. Polymerizable benzophenone UV absorber-condensation polymers. 3,391,-110, 7–2–68, Cl. 260—47.
Coleman, Ralph A., F. M. Furman, and J. P. Milionis, to American Cyanamid Co. Substituted thiobis phenolic compounds and antioxidant protection therewith. 3,364,174, 1–16–68, Cl. 260—45.95.
Coleman, Ralph F., to Worthington Corp. Forced ventilation for motor cooling on enclosed motor driven compressor unit. 3,369,736, 2–20–68, Cl. 230—117.
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Colgan, Joseph D., and W. E. Sanborn, to American Cyanamid Co. Silica-alumina catalyst support. 3,403,109, 9–24–68, Cl. 252—451.
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Cubitt, Robert B., Marder, and Tundermann. 3,400,717.
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Drukker, Alexander E., and Judd. 3,381,000.
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Colizza, Vincent P., and F. G. Zochil; said Zochil assor. to Hamilton Float & Trowel Ltd. Surfacing machines. 3,412,657, 11–26–68, Cl. 94—45.

Coll, Harry H., to Chris-Craft Industries, Inc. Fluid pressure controlled planing and trim means for water craft. 3,413,948, 12–3–68, Cl. 114—66.5.

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Collard, Earl W. Weather block and sash balance guide. 3,364,622, 1–23–68, Cl. 49—445.

Collard, Earl W. Snap together window wall framing and joining construction. 3,389,527, 6–25–68, Cl. 52—731.

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Collaud, Jean M., to Fabrique Suisse de Crayons Caran d'Ache S.A. System for controlling extension and retraction of the cartridge in a ball-point pen. 3,413,068, 11–26–68, Cl. 401—114.

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Collette, John W., and R. W. Keown, to E. I. du Pont de Nemours and Co. Stable chloroprene-sulfur copolymer. 3,397,173, 8–13–68, Cl. 260—45.9.

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Collier, William A. H., to Davy and United Engineering Co. Ltd. Multiroller leveler for striplike material. 3,360,973, 1–2–68, Cl. 72—163.

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Collins, Benjamin P. Synthetic plastic railroad tie. 3,416,727, 12–17–68, Cl. 238—84.

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Collins, Dennis W., and C. P. Steeper. Artificial arm having a single pull cord for unlocking the elbow joint and effecting relative angular motion of the forearm. 3,382,506, 5–14–68, Cl. 3—12.3.

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Collins, Frederick R., Jr., R. M. Curran, and R. Garrahan. Saw supporting and guiding apparatus. 3,364,960, 1–23–68, Cl. 143—32.

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Collins, Richard. Electro-mechanical device responsive to position of reciprocating part. 3,405,244, 10–8–68, Cl. 200—82.

Collins, Richard V., R. H. Hughes, A. R. Cook, and W. J. Sanders, to Butler Mfg. Co. Continuous flow dryer. 3,365,813, 1–30–68, Cl. 34—170.
Collins, Robert C. Power driven abrading tool. 3,365,772, 1–30–68, Cl. 29—81.
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Colville, Francis J., and N. Roberts, to Rolls-Royce Ltd. Jet nozzle. 3,372,876, 3–12–68, Cl. 239—265.35.

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Communication Structures Inc.: *See*—
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Communication Systems, Inc.: *See*—
Adams, Robert T., and Schildknecht. 3,380,056.

Communications and Systems, Inc.: *See*—
Hultberg, Richard M. 3,418,579.

Communitype Corp.: *See*—
Mislan, Joseph D. 3,403,225.

Compact Products, Inc.: *See*—
Gearin, Dewey C. 3,367,675.

Compactor Corp.: *See*—
Boje, Daniel Q., Permutt, and Kestin. 3,384,007.

Compagnie belgoluxembourgeoise du Commerce exterieur in abridgment; "Cobelcomex": *See*—
Gehenot, Charles. 3,406,022.

Compagnie Centrale Sicli: *See*—
Guilleux, Robert. 3,382,364.

Compagnie d'Applications Mechaniques a l'Atomistique (C.A.M.E.C.A.): *See*—
Guernet, Jacques. 3,400,897.

Compagnie de Construction Mecanique Procedes Sulzer: *See*—
Lerat, Jean-Marie, Rostaing, and Bourgeois. 3,394,927.

Compagnie de Saint-Gobain: *See*—
Bathellier, Louis R. M. 3,418,096.
Brule, Daniel C. 3,407,145.
Chaumont, Henri J. 3,400,501.
Cornu, Roger. 3,414,132.
De Lajarte, Stephane D. 3,409423.
De Lajarte, Stephane D. 3,410.672.
De Lajarte, Stephane D., and Bourgeaux. 3,413,107.
Gaffard, Jean P. 3,361,025.
Guillaume, Yves. 3,410,425.
Jörgensen, Pierre. 3,410,643.
Jörgensen, Pierre. 3,411.019.
Nedelec, Maurice. 3,365.286.
Nedelec, Maurice. 3.404.973.
Peteri, Robert. 3,382,650.
Peyches, Pierre I. 3.399,320.
Renault, Claude. 3,397,942.
Steinbach, Georgette. 3,406,157.

Compagnie des Ateliers et Forges de la Loire: *See*—
Bon, Pierre. 3,399,871.
Gay, Pierre. 3,381,509.
Gay, Pierre A. 3,362,202.
Sivet, Marcel. 3,405,219.

Compagnie des Compteurs: *See*—
Brette, Alfred J. M. 3,377,858.
Cecchini, Andre, Hanff, and Juhel. 3,372,369.
Janssen, Sylvain J. 3,379,905.
Souillard, Michel H. P. 3,369,156.

Compagnie des Freins et Signaux Westinghouse: *See*—
Martin, Gerard. 3,398,995.
Rouillon, Andre. 3,369,827.

Compagnie des Gelatines Francaises: *See*—
Villalon, Ernest M. 3,374,055.

Compagnie des Machines Bull (Societe Anonyme): *See*—
Brette, Yves-Jean F. 3,366,798.
David, Charles A. M. 3,383,663.

Compagnie des Transmissions Mecaniques Seine-Doubs-Isere: *See*—
Kuntzmann, Paul. 3,379,072.

Compagnie d'Exploration Petroliere: *See*—
Le Fournier, Jacques F. M. 3,380,292.

Compagnie du Filage des Metaux et des Joints Curty (Cefilac): *See*—
Graux, Pierre. 3,409,149.
Kaprelian, Robert A. 3,397,560.
Sirantoine, Albert. 3,400,567.

Compagnie Electro-Mecanique: *See*—
Chaboseau, Jean. 3,368,743.
Chaboseau, Jean. 3,406,896.

Compagnie Francaise de Raffinage: *See*—
Drapeau, Yves, and Bestougeff. 3,409,514.

Compagnie Francaise de Television: *See*—
Cahen, Rober, and Driffort. 3,416,980.
De France, Henri, and Cahen. 3,363,129.
De France, Henri, and Cahen. 3,393,336.
Melchior, Gerard. 3,365,541.

Compagnie Francaise d'Etudes et de Construction Technip: *See*—
Perret, Jean C. 3,364,685.

Compagnie Francaise Thomson-Houston: *See*—
Carton, Jean. 3,364,979.
Sollima, Mario M. 3,402,262.

Compagnie Francaise Thomson Houston-Hotchkiss Brandt: *See*—
Arnaud, Michel M.-C. 3,388,281.
Arnaud, Michel M., and Yvon. 3,392,300.
Baud, Remy. 3,382,499.
Beurtheret, Charles A. 3,384,160.
Beurtheret, Charles A. E. 3,367,415.
Beurtheret, Charles A. E. 3,375,868.
Beurtheret, Charles A. E. 3,390,667.
Calopin, Claude: 3,407,361.
Claverie, Claude. 3,417,347.
Deman, Pierre, and Lukasiewicz. 3,411,103.
Dixmier, Marie-Blanche, Roz, and Guiochon. 3,385,035.
Drabowitch, Serge V., and Morlon. 3,380,052.
Favreau, Michel. 3,404,220.
Francois, Marcel. 3,405,469.
Guyot, Lucien F., and Peres. 3,397,341.
Pagazani, Roger, and Palazo. 3,408,938.
Picquender, Jean E. 3,398,537.

Compagnie Generale de Geophysique: *See*—
Michon, Dominique. 3,419,846.

Compagnie Generale d'Electricite: *See*—
Barbini, Spartacus. 3,379,928.
Biet, Jean P. 3,416,009.
Biet, Jean-Pierre, and Dufour. 3,397,370.
Boutelant, Paul. 3,411,116.
Burgert, Albert. 3,391,345.
Burgert, Albert, and Arzul. 3,399,338.
Dubois, Andre, and Klein. 3,390,288.
Dumanchin, Roger. 3,406,354.
Forrat, Francis. 3,386,919.
Foucry, Jean. 3,415,688.
Gerlach, Pierre. 3,381,166.
Guyot, Lucien F., Driard, and Sirou. 3,378,714.
Klein, Georges. 3,368,089.
Klein, Georges, and Dubois. 3,369,134.
Klein, Georges, and Kloeckner. 3,414,662.
Lehmann, Gerard. 3,413,633.
Picquendar, Jean E., and Cahen. 3,377,588.
Royet, Jean. 3,383,874.

Compagnie Generale d'Electricite Service de la Propriete Industrielle: *See*—
Renaudie, Jean. 3,383,688.

Compagnie Generale d'Electro Ceramique: *See*—
Huc, Jean. 3,419,768.

Compagnie Generale de Radiologie: *See*—
Delarue, Jean-Claude. 3,391,276.

Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie: *See*—
Boileau, Jacques. 3,406,733.
Lejeune, Daniel. 3,413,799.
Massoubre, Jean-Marie. 3,362,793.
Massoubre, Jean-Marie. 3,374,460.
Massoubre, Jean-Marie. 3,386,487.
Massoubre, Jean-Marie. 3,386,809.
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Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie: *See*—Continued
Massoubre, Jean-Marie. 3,396,063.
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Massoubre, Jean-Marie. 3,407,046.
Travers, Georges L. 3,414,447.
Verdier, Henri. 3,386,771.
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Compagnie Generale de Telegraphie Sans Fil: *See*—
Robieux, Jean, and Dumanchin. 3,377,592.

Compagnie Industrielle Francaise des Tubes Electroniques Societe Anonyme: *See*—
Deblay, Jacqeus. 3,378,717.
Nicolao, Michel. 3,414,730.

Compagnie Nationale Air France: *See*—
Malitte, Robert. 3,392,954.

Compagnoni, Anthony F., to Abex Corp. Hammer tip and clamp. 3,379,384, 4–23–68, Cl. 241—197.

Companhia Uniao Fabril, S.A.R.L.: *See*—
Capelo da Fonseca, Franco F. 3,385,114.

Compass Container Co., Inc.: *See*—
Burda, Alfred A., Bottoms, and Brandow. 3,410,439.
Turpen, Russell L. 3,382,998.
Turpen, Russell L. 3,387,734.
Turpen, Russell L. 3,410,576.
Turpen, Russell L. 3,416,465.

Comperatore, John, to PPG Industries, Inc. Method and apparatus for bending glass sheets. 3,403,991, 10–1–68, Cl. 65—107.

Compere, Marcel: *See*—
Collet, Pierre, and Compere. 3,414,568.

Compo Shoe Machinery Corp.: *See*—
Dunlap, Robert B. 3,371,510.
Peterson, Evald O. 3,390,663.
Peterson, Evald O., and Dunlap. 3,393,429.
Benken, Henry v. d. 3,390,411.
Von Schoppe, Bertram A. 3,364,899.

Compoly, Albert, to The Bendix Corp. Short circuit protective circuit. 3,412,313, 11–19–68, Cl. 321—14.

Composite Metal Products, Inc.: *See*—
Ulam, John B. 3,363,307.
Ulam, John B. 3,393,445.

Compressors Automation Controls Inc.: *See*—
Nielsen, Richard H., McCarty, and Wernette. 3,377,018.

Compton, Arthur M., to Pullman Inc. Automatic vehicle control system. 3,398,991, 8–27–68, Cl. 303—7.

Compton, Asa B., to Funtastic, Inc. Amusement device. 3,382,-603, 5–14–68, Cl. 46—47.

Compton, Dinsdale M. J., to United States of America, Army. Method of reducing secondary emission induced by radiation. 3,371,146, 2–27–68, Cl. 174—17.

Compton & Knowles Corp.: *See*—
Nelson, Howard I., Crowley, and Nims. 3,410,315.

Compton, Ronald E.: *See*—
Griswold, Dorr E., Compton, and Militzer. 3,391,585.

Compur-Werk Gesellschaft mit beschrankter Haftung & Co.: *See*—
Fahlenberg, Paul. 3,376,801.
Miessen, Walter. 3,385,191.
Schwarz, Gerhard. 3,385,186.
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Singer, Franz. 3,412,666.

Computer Accessories Corp.: *See*—
Hofmann, Charles D. 3,390,683.
Zenzefilis, George E. 3,400,721.

Computer Devices Corp.: *See*—
Wendolkowski, Eugene S. 3,405,373.

Computer Instruments Corp.: *See*—
Howitt, Roy W. 3,403,657.

Computing Devices of Canada Ltd.: *See*—
Bailey, Arthur A. 3,362,076.
Banfalvi, Stephen S., and Hargreaves. 3,361,875.
Cox, William J. G. 3,407,292.
Vago, Robert E. 3,406,280.

Comstock, Bill H. Rotary paint chipper. 3,380,094, 4–30–68, Cl. 15—93.

Comstock Co., The: *See*—
Clark, Frances H. 3,418,114.

Comstock & Wescott, Inc.: *See*—
Holdsworth, Dennis W. 3,364,733.
Holdsworth, Dennis W. 3,377,850.
Rice, Richard E. 3,382,917.
Rice, Richard E. 3,382,919.
Rice, Richard E., and Webb. 3,386,821.

Com-Tech, Inc.: *See*—
Borack, Joseph, and Buschmann. 3,361,609.

Comte, Donn J., and R. J. Martin, to The Susquehanna Corp. Rocket launcher. 3,401,597, 9–17–68, Cl. 89—1.804.

Comte, Jean. Gaseous heat-exchanger. 3,401,921, 9–17–68, Cl. 263—19.

Cona, Ltd.: *See*—
Brinkman, Georges F., and Games. 3,372,634.

Conant, Theodore A., Jr., to General Precision, Inc. Digital control system for gyro torquers. 3,403,316, 9–24–68, Cl. 318—436.

Conard, Arthur B., Jr., to American Machine & Foundry Co. Tobacco moistener. 3,372,703, 3–12–68, Cl. 131—133.

Conard, Charles R.: *See*—
Bertsch, Hugh C., and Conard. 3,413,349.

Conaway, Robert W., and J. S. Spindler, to The Goodyear Tire & Rubber Co. Anti-slosh media for fuel tanks. 3,400,-854, 9-10-68, Cl. 220—85.
Concannon, Virgil K. Electrical connection apparatus. 3,372,-367, 3-5-68, Cl. 339—274.
Concannon, Virgil K. Low-voltage dormant power-supply apparatus. 3,375,142, 3-26-68, Cl. 136—90.
Concast AG: *See*—
Barbe, Jacques, and Thalmann. 3,366,162.
Meier, Walter, and Thalmann. 3,370,642.
Concast Inc.: *See*—
Gricol, Joseph D. 3,397,783.
Lindberg, Paul E. Jr. 3,411,897.
Rossi, Irving. 3,391,725.
Rossi, Irving and Thalmann. 3,399,716.
Concelman, Carl W., to Amphenol Corp. Coaxial switch with wiping action contactor. 3,364,329, 1-16-68, Cl. 200—153.
Concelman, Carl W., to Amphenol Corp. Modular coaxial switch. 3,372,349, 3-5-68, Cl. 333—7.
Concelman, Carl W., to Amphenol Corp. Diode transfer switch. 3,374,364, 3-19-68, Cl. 307—257.
Conces, Robert A., and L. Molnar, to Inland Steel Co. Method for producing hot-worked tellurium-containing steel article. 3,365,922, 1-30-68, Cl. 72—38.
Conch International Methane Ltd.: *See*—
Burns, William D. A., Rowell, and Santa-Olalla. 3,362,-175.
Crownover, Carl F., and Every. 3,398,077.
Huntress, Charles O., and Proctor. 3,407,052.
Jackson, Robert G. 3,360,941.
Jackson, Robert G. 3,379,012.
Jackson, Robert G. 3,380,613.
Jackson, Robert G. 3,406,858.
Jackson, Robert G. 3,411,656.
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Nachshen, Maurice. 3,411,302.
Nelson, Warren L., and Norton. 3,398,546.
Tutton, Ralph C. 3,367,122.
Conche, Francois, J. Dubos, R. Guilloteau, and J. Pillerault, to Commissariat a l'Energie Atomique. Bench for taking samples of liquids and in particular radioactive liquids. 3,383,923, 5-21-68, Cl. 73—421.
Concho Petroleum Co.: *See*—
Karcher, John C. 3,377,152.
Conciatori, Anthony B.: *See*—
Fontana, Celeste M., and Conciatori. 3,390,180.
Conco Engineering Works, Inc.: *See*—
O'Neill, Charles J. 3,402,911.
Conco, Inc.: *See*—
Debrey, Robert J., Deterding, and Weyer. 3,402,836.
Concord Control, Inc.: *See*—
Grossimon, Herbert P., McDonough, and Moore. 3,410,956.
Concordia Maschinen- und Elektrizitats-G.m.b.H.: *See*—
Martin, Helmut. 3,368,789.
Concrete Cutting Equipment Co., Inc.: *See*—
Dempsey, Edward J., and Barnes. 3,378,307.
Concrete Pipe Machinery Co.: *See*—
Waddington, Philip L. 3,416,204.
Concrete Thermal Casings, Inc.: *See*—
Ziegler, George E. 3,418,899.
Concut, Inc.: *See*—
Hatcher, Cecil W., Miller, Metzger, and Simms. 3,409,330.
Simms, Glen E., and Cook. 3,387,891.
Simms, Glen E., and Cook. 3,407,005.
Conde, Julian S., to Raychem Corp. Closure sleeve for pipes or the like. 3,379,218, 4-23-68, Cl. 138—99.
Condec Corp.: *See*—
Davis, Jerome I., and Enyeart. 3,362,493.
Satter, Harvey W. 3,412,258.
Condit, Fletcher H., and R. H. Hemmenway, to Allied Chemical Corp. Aerosol brazing flux and method of brazing therewith. 3,409,478, 11-5-68, Cl. 148—23.
Conditionaire Australia Pty. Ltd.: *See*—
Morrison, John M. 3,394,755.
Condo, Albert C., and W. E. Mendham, to The Atlantic Refining Co. Plasticized polyvinyl chloride compositions containing an acrylonitrile-butadiene rubber and flexible, oil resistant films and sheets. 3,419,511, 12-31-68, Cl. 260—22.
Condo, Albert C., Jr., and D. D. Mynick, to Atlantic Richfield Co. System for producing liquid-filled packages. 3,381,441, 5-7-68, Cl. 53—24.
Condodina, Arthur C.: *See*—
Cruger, Robert W., Strance, and Condodina. 3,392,939.
Condon, Eugene H.: *See*—
Bletzinger, John C., Condon, and Simons. 3,375,827.
Conductron Corp.: *See*—
Boeskool, Irvin L., and Grau. 3,415,346.
Cooley, Peter. 3,382,497.
Dobrin, Milton B., and Ingalls. 3,370,268.
Harris, Robert P., Krasner, and Koenig. 3,414,735.
Nozawa, Yasuto D., and Nasser. 3,417,259.
Thomas, Carlton E. 3,406,252.
Turnblade, Richard C., and Sturman. 3,407,622.
Van den Broek, Jan A. 3,393,959.
Cone, Carroll, R. E. Pinney, and F. G. Rinker, to Midland-Ross Corp. Hearth dam. 3,378,242, 4-16-68, Cl. 263—7.
Cone, Julian L., Jr.: *See*—
Baker, Robert S. 3,366,335.
Cone Mills Corp.: *See*—
Lilly, William N. 3,416,368.
Cone, Peter F., to United States of America, Air Force. Method for producing an interconnection matrix. 3,378,920, 4-23-68, Cl. 29—625.
Cone, Ronald D.: *See*—
Jennings, Alan K., Cone, and Seid. 3,397,389.
Cone, Virgil D.: *See*—
Clark, Eugene N., Cone, Masher, and Vincent. 3,407,355.
Conelec Inc.: *See*—
Long, Emile D. 3,361,069.
Conery, William J., to Hydr-O-Matic Pump Co. Sewage and/or waste water pump. 3,394,656, 7-30-68, Cl. 103—11.
Cones, Van B., to United States of America, Navy. Temperature stabilized transistor amplifier. 3,373,369, 3-12-68, Cl. 330—23.
Coney, Charles H., and W. E. Draper, to Eastman Kodak Co. Ink composition and solvent for use therein. 3,409,449, 11-5-68. Cl. 106—30.
Conforti, Arthur R., and E. Conforti. Multiple spool wind-up device. 3,375,991, 4-2-68, Cl. 242—66.
Conforti, Edward: *See*—
Conforti, Arthur R. and E. 3,375,991.
Congdon, George L., to Scovill Mfg. Co. Blender and built-in spatula. 3,373,975, 3-19-68, Cl. 259—120.
Congdon, George L., and D. J. Lemens, to Demco Library Supplies, Inc. Identity card and key controlled shiftable date printer. 3,399,618, 9-3-68, Cl. 101—45.
Congelli, Henry C., and G. W. Hays, to American Machine & Foundry Co. Pinspotting mechanism with spotting cups pivotally mounted on movable yoke. 3,386,734, 6-4-68, Cl. 273—43.
Conger, Norman L.: *See*—
Banks, William P., Conger, and Locke. 3,379,629.
Banks, William P., Every, and Conger. 3,371,023.
Banks, William P., French, and Conger. 3,409,526.
Conger, Robert P.: *See*—
Jakob, John E., Conger, and Palmer. 3,379,674.
Palmer, Leon B., and Conger. 3,399,106.
Congleton, Robert S.: *See*—
Keister, Frank Z., and Congleton. 3,363,998.
Ott, Lawrence H., and Congleton. 3,399,359.
Congoleum-Nairn Inc.: *See*—
Biskup, John, and Migdol. 3,399,107.
Jakob, John E., Conger, and Palmer. 3,379,674.
Kemmler, James W. 3,381,067.
Palmer, Leon B., and Conger. 3,399,106.
Weaver, John B., and Powell. 3,385,722.
Congy, Marcel. Reinforcement element for beams and poles made from reinforced concrete. 3,375,632, 4-2-68. Cl. 52—648.
Coniglio, Guy V., to National Aeronautics and Space Administration. 3,394,975, 7-30-68, Cl. 350—2.
Coniglione, Roy: *See*—
Goda, George G., and Coniglione. 3,386,470.
Coniker Enterprises, Inc.: *See*—
Coniker, Jerome F. 3,368,600.
Voller, Rouald L. 3,368,692.
Coniker, Jerome F., to Coniker Enterprises, Inc. Folio construction. 3,368,600. 2-13-68. Cl. 150—28.
Conine, James W.: *See*—
Murphy, Hubert W., Stephens, and Conine. 3,417,077.
Conix, Andre J.: *See*—
Jeurissen, Lambert G., and Conix. 3,410,829.
Verelst, Johan L., and Conix. 3,370,950.
Conix, André J., and L. G. Jeurissen, to Gevaert Photo-Producten N.V. Increased crystallizability of polycarbonates. 3,379,801, 4-23-68, Cl. 260—47.
Conklin, Clayton E., to Mann Mfg., Inc. Method for reinforcing textile garments. 3,394,405, 7-23-68, Cl. 2—227.
Conklin, George W.: *See*—
Fetterly, Lloyd C., Conklin, Koetitz, Helfferich, Gilderson, and Newman. 3,375,265.
Conklin, Glenn E.: *See*—
Beck, Alfred C., and Conklin. 3,388,957.
Beck, Alfred C., Conklin, and Hutson. 3,400,993.
Conklin, Glenn E., to Bell Telephone Laboratories, Inc. Gas lens using two gases having unequal refractive indices. 3,410,628, 11-12-68, Cl. 350—179.
Conklin, Homer E. Boat moving and storage apparatus. 3,372,817. 3-12-68, Cl. 214—16.4.
Conklin, John B., Jr. Cable bender. 3,415,104, 12-10-68, Cl. 72—400.
Conklin, Lawrence E., to Foster Wheeler Corp. Fin-tube panel bending apparatus. 3,390,566, 7-2-68, Cl. 72—389.
Conklin, Robert M., and R. Torresen, to Brunswick Corp. Bowling ball retarder with self-adjusting damping means. 3,398,952, 8-27-68, Cl. 273—47.
Conklin, Robert M., R. Torresen, and A. J. Gretzky, to Brunswick Corp. Carom bowling game. 3,401,933, 9-17-68, Cl. 273—37.
Conklin, Robert M., F. E. Satchell, L. J. Trier, and F. W. Berry, to Brunswick Corp. Pin having decreased neck checking tendencies. 3,402,932, 9-24-68, Cl. 273—82.
Conlee, George D. Variable throw oscillator mechanism. 3,368,412. 2-13-68, Cl. 74—42.
Conley, Albert M.: *See*—
Conley, George R. and A. M. 3,375,900.
Conley, George R. and A. M. Worker support device. 3,375,-900, 4-2-68, Cl. 182—150.
Conley, Leonard N., Jr., L. L. Sims, and C. F. Yancey, to Ethyl Corp. Recovery of alcohol from by-products of the oxidation of aluminum alkyls. 3,394,195, 7-23-68, Cl. 260—638.

Conley, Robert F., to Georgia Kaolin Co. Insulating compositions containing heat tempered, essentially montmorillonite-free kaolin. 3,368,976, 2-13-68, Cl. 252—63.5.

Conley, Robert F., to Georgia Kaolin Co. Magnetic materials and methods of making the same. 3,399,142, 8-27-68, Cl. 252—62.63.

Conley, Robert F., and M. K. Lloyd, to Georgia Kaolin Co. Potentiometric control of bleaching of kaolin clays. 3,399,960, 9-3-68, Cl. 23—110.

Conley, Walter R., R. H. Evers, and W. F. Ettlich, to General Services Co. Dosage control system and method for the treatment of water or sewage. 3,393,149, 7-16-68, Cl. 210—42.

Conley, Walter R., Jr., S. P. Hansen, R. D. Schilling, R. H. Evers, and A. H. Rice, to Neptune Microfloc, Inc. Method of removing solids from liquids. 3,399,135, 8-27-68, Cl. 210—42.

Conley, William J., to Centerchem, Inc. Bottle structure. 3,410,459, 11-12-68, Cl. 222—479.

Conlin, William P., to Tech Aero, Inc. 3,416,818, 12-17-68, Cl. 285—39.

Conlon-Moore Corp.: *See*—
Stender, Orville J. 3,398,783.

Conmaco, Inc.: *See*—
Myers, Ralph E., and Smith. 3,375,881.

Conn, C. G., Ltd.: *See*—
Behnke, Wallace R., and Wolfanger. 3,410,947.

Conn, Howard F. Data viewing machine. 3,407,513, 10-29-68, Cl. 35—9.

Conn, James F., and T. P. Kichline, to Monsanto Co. Yeast leavened bread improver agent and compositions and processes employing the same. 3,404,983, 10-8-68, Cl. 99—90.

Conn, John B.: *See*—
Taylor, Robert C., and Conn. 3,390,090.

Conn, Joseph H., to United States of America, National Aeronautics and Space Administration. Moment of inertia test fixture. 3,377,845, 4-16-68, Cl. 73—65.

Conn, Marks M. Solenoid actuated automobile headlight switch. 3,373,312, 3-12-68, Cl. 315—83.

Conn, William M.: *See*—
Lichte, Carl L., and Conn. 3,419,093.

Connally, Carl, Jr., to Mobil Oil Corp. Thermal recovery method for heavy hydrocarbons employing a heated permeable channel and forward in situ combustion in subterranean formations. 3,411,575, 11-19-68, Cl. 166—2.

Connally, Dickey P., to Reading & Bates Offshore Drilling Co. Underwater work vessel. 3,386,254, 6-4-68, Cl. 61—69.

Connecticut International Corp.: *See*—
Kost, Harold W. 3,384,141.

Connectronics Corp.: *See*—
Bonhomme, Francois R. 3,396,364.

Connell, Clyde A., to J. W. Fair. Education device. 3,365,819, 1-30-68, Cl. 35—77.

Connell, Clyde A., to J. W. Fair. Education device. 3,365,820, 1-30-68, Cl. 35—77.

Connell, Clyde A., to J. W. Fair. Education apparatus. 3,412,480, 11-26-68, Cl. 35—9.

Connell, James P. Sign with changeable characters. 3,407,525, 10-29-68, Cl. 40—140.

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Connelly, Lavern R., to Eaton Yale & Towne Inc. Fluid coupling with flow control means. 3,419,122, 12-31-68, Cl. 192—58.

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Conner, Charles J., and G. S. Danna, to United States of America, Agriculture. Single bath process for prussian blue-pigmenting of cellulosic webbing to render it alkali and algae-resistant. 3,394,027, 7-23-68, Cl. 117—138.5.

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Conner, Harry G., J. A. Hancock, and E. W. Yetter, to E. I. du Pont de Nemours and Co. Undulation counting apparatus. 3,382,368, 5-7-68, Cl. 250—219.

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Connine, John G., to General Electric Co. Mounting apparatus. 3,368,779, 2-13-68, Cl. 248—27.

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Cook, Ronald J., to Allen and Hanburys Ltd. Pressure or vacuum vessels. 3,397,489, 8–20–68, Cl. 49—281.

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Cook, Wendell S., to The Firestone Tire & Rubber Co. Stereo-linear butadiene stabilized with a combination of stabilizers. 3,340,099, 9–3–68, Cl. 260—45.85.

Cook, Wendell S., to The Firestone Tire & Rubber Co. Process for stabilizing cis-1,4-polybutadiene with tetra-alkyl bisphenol. 3,414,539, 12–3–68, Cl. 260—45.95.

Cook, William. Extension cord reel. 3,369,084, 2–13–68, Cl. 191—12.4.

Cook, William A.: *See*—
Bancroft, Lewis C., and Cook. 3,385,951.
Bush, Charles R., and Cook. 3,389,924.

Cook, William H., to Anchor Hocking Glass Corp. Antiskid printing ink comprising silica aerogel and/or cornstarch. 3,389,100, 6–18–68, Cl. 260—9.

Cook, William J., to United Engineering and Foundry Co. Bearing arrangement. 3,361,498, 1–2–68, Cl. 308—189.

Cook, Woodrow W., ½ to Thelma Nelson. Remote control system for welding generator. 3,402,341, 9–17–68, Cl. 322—16.

Cooke, Armand V.: *See*—
Baermann, Walter P., Cooke, and Peterson. Re. 26,477.

Cooke, Arthur B.: *See*—
Rauen, Theodore J., Myers, and Cooke. 3,374,307.

Cooke, Brian A., to Imperial Chemical Industries, Ltd. Electro-deposition of paint using an ion exchange membrane. 3,419,488, 12–31–68, Cl. 204—181.

Cooke, Claude E., Jr., to Esso Production Research Co. Microemulsion oil recovery process. 3,373,809, 3–19–68, Cl. 166—9.

Cooke, George H., and W. J. Carl. Vegetable trimmer. 3,391,718. 7–9–68, Cl. 146—81.

Cooke, Harry F., T. M. Hyltin, and B. T. Vincent, Jr., to Texas Instruments Inc. Integrated circuit modular radar antenna. 3,417,393, 12–17–68, Cl. 343—5.

Cooke, Robert R., to The Procter & Gamble Co. Culinary mixes containing alkali metal alkyl sulfates. 3,367,781, 2–6–68, Cl. 99—94.

Cookerly, Jack C., and G. R. Hall. Neck construction for a stringed musical instrument. 3,417,646, 12–24–68, Cl. 84—293.

Cooke-Yarborough, Edmund H., to Bell Telephone Laboratories, Inc. Logic arrangement employing light generating diodes, photosensitive diodes and reflecting grating means. 3,401,266, 9–10–68, Cl. 250—209.

Cooke-Yarborough, Edmund H., I. N. Hooton, S. A. Hickman, and G. M. Prior, to United Kingdom Atomic Energy Authority. Binary-information analysing arrangements. 3,390,380, 6–25–68, Cl. 340—172.5.

Cooksley, R. D., Mfg. Co.: *See*—
Cooksley, Ralph D. 3,407,845.

Cooksley, Ralph D., to R. D. Cooksley Mfg. Co. Electromagnetically operated valves. 3,407,845, 10–29–68, Cl. 137—607.

Cookson, Cecil T., and H. E. Deelman, to Outboard Marine Corp. Chain saw. 3,390,710, 7–2–68, Cl. 143—32.

Cookson, Harold, to The Metal Box Co. Manufacture of synthetic thermoplastic bottles. 3,412,872, 11–26–68, Cl. 214—1.

Cooley, Albert M. Method of manufacturing a particulate ammonium humate fertilizer. 3,418,100, 12–24–68, Cl. 71—24.

Cooley, Cecil G. Vibrating grinding mill. 3,391,872, 7–9–68, Cl. 241—176.

Cooley, Claiborn, Jr., to FMC Corp. Balancing mechanism. 3,378,033, 4–16–68, Cl. 137—615.

Cooley, John R., to General Electric Co. Method of making electrical contact member. 3,377,700, 4–16–68, Cl. 29—630.

Cooley, Myron B.: *See*—
Harkee, James F., and Cooley. 3,373,088.

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Coolidge, Charles A., Jr., and M. M. Kincaid, to C & K Components, Inc. Electronic timing via magnetic core shift circuitry. 3,408,505, 10–29–68, Cl. 307—88.

Coolidge, Gordon J.: *See*—
Burns, Hugh C., Smith, Coolidge, and Dean. 3,370,724.

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Coombes, Bettina D., and B. P. H. Bunt, to The Metal Box Co. Ltd. Adhesive applier using register and switching devices. 3,411,008, 11–12–68, Cl. 250—219.

Coombes, William S.: *See*—
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Coombs, Ivan G.: *See*—
Lewis, Donald J., and Coombs. 3,408,937.

Coombs, Robert V.: *See*—
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Burn, Derek, Coombs, and Petrow. 3,396,179.

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Cooney, Edward F.: *See*—
Allen, Charles A., Cooney, and Freeze. 3,387,869.
Barthold, Robert G., and Cooney. 3,386,385.

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Pond, Warren G., Cooney, and Meznarich. 3,368,117.

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Cooney, Ralph D. Rotary sprinkler with variable range. 3,391,868, 7–9–68, Cl. 239—232.

Coons, Everett A., to Olinkraft, Inc. Method of shrink-packaging utilizing a self-erecting pallet. 3,416,288, 12–17–68, Cl. 53—27.

Coons, William R., Jr., and W. R. Hencke, to Texaco, Inc. Method of grease manufacture. 3,403,100, 9–24–68, Cl. 252—41.

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Cooper, Albert C., D. F. White, and D. G. Wilkinson, to Imperial Chemical Industries, Ltd. Mass-coloration for polyester resins. 3,410,821, 11–12–68, Cl. 260—40.

Cooper, Albert C., D. F. White, and D. G. Wilkinson, to Imperial Chemical Industries Ltd. Mass-coloration process for polyester resins. 3,417,048, 12–17–68, Cl. 260—40.

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Hamalainen, Carl, St. Mard, and Cooper. 3,403,504.
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Cooper, Alfred S., to Central Transformer Corp. Electrical core manufacture. 3,362,066, 1–9–68, Cl. 29—605.

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Cooper, Barry A., and W. H. Wharton, to Dow Chemical Co. Adhesion testing method and apparatus. 3,412,606, 11–26–68, Cl. 73—150.

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Cooper, Brian F., to English Electric Valve Co., Ltd. Waveguide impedance transformers. 3,364,383, 1–16–68, Cl. 315—39.

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Cooper, Daniel W., and J. R. Mitchell, to G. Q. Parachute Co., Ltd. Releasable snap hook. 3,363,289, 1–16–68, Cl. 24—73.

Cooper, David, and R. C. Lenz, to General Electric Co. Continuous pressure control system. 3,402,972, 9–24–68, Cl. 303—20.

Cooper, David, and J. R. Swanson, to General Electric Co. Timing network. 3,408,513, 10–29–68, Cl. 307—293.

Cooper, David B., to Raytheon Co. Pulse doublet communication system. 3,400,369, 9–3–68, Cl. 340—167.

Cooper, David E., R. M. Lewis, H. D. Moorer, and B. F. Smith, to Texaco Inc. N-hydrocarbon separation with a molecular sieve. 3,373,103, 3–12–68, Cl. 208—310.

Cooper, Delbert P. Gullet-guarded, carbide-tipped saw. 3,406,729, 10–22–68, Cl. 143—133.

Cooper, Densil M., C. F. Wysong, and T. W. Chappelle, to United States of America, Navy. Gunfire control system for supplying aiming information for guns having different ballistic characteristics. 3,373,263, 3–12–68, Cl. 235—61.5.

Cooper, Dester P., Jr., and S. Kagan, to Polaroid Corp. Delay-line controlled color television. 3,415,945, 12–10–68, Cl. 178—5.4.

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Cooper, Dexter P., Jr., and V. E. Ford, to Polaroid Corp. Exposure control apparatus. 3,362,309, 1–9–68, Cl. 95—10.

Cooper, Douglas E., to Ethyl Corp. Copper oxide-alumina catalyst composition. 3,374,183, 3–19–68, Cl. 252—463.

Cooper, Duane H. Method of making grooved records with compensation for reproduction errors. 3,403,233, 9–24–68, Cl. 179—100.4.

Cooper Engineering Co.: *See*—
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Cooper, Frank H. Front carrier for motorcycle. 3,367,548, 2–6–68, Cl. 224—42.03.

Cooper, Fred W.: *See*—
Hawes, La Marcus C., Coats, and Cooper. 3,381,758.

Cooper, Garvin W.: *See*—
Lindsey, Kenneth B., Cooper, and Pearce. 3,412,565.

Cooper, George D. Light fixture with water protection device. 3,363,091, 1–9–68, Cl. 240—3.

Cooper, George D. Light fixture. 3,381,125, 4–30–68, Cl. 240—11.4.

Cooper, Hal B. H. Process and cell for the manufacture of either sodium hypochlorite or chlorine. 3,390,065, 6–25–68, Cl. 204—95.

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Benedict, Robert A., Cooper, and Fink. 3,402,296.

Cooper, Henry N. Adapter for wrist watch. 3,375,958, 4–2–68, Cl. 224—4.

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Neill, Daniel L. 3,395,608.
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Cooper, Jacob, to Foster Wheeler Corp. Temperature matching header. 3,411,486, 11–19–68, Cl. 122—476.

Cooper, James E., to Mobil Oil Corp. Oil well waterflooding method. 3,418,239, 12–24–68, Cl. 252—8.55.

Cooper, James H.: *See*—
Norton, John, and Cooper. 3,364,587.

Cooper, James P. Simulated ice hockey game. 3,391,933, 7–9–68, Cl. 273—85.

Cooper, James W., to The Rank Organisation Ltd. Teaching table. 3,366,415, 1–30–68, Cl. 297—157.

Cooper, John N., and A. R. Smith, to Cooper Tire & Rubber Co. Method of making light-colored sidewall tires. 3,365,345, 1–23–68, Cl. 156—116.

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Cooper, Joseph C.: *See*—
Cooper, Broughton M. and J. C. 3,419,049.

Cooper, Joseph W.: *See*—
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Cooper, Julius, to Ideal Toy Corp. Timer accessory track unit. 3,390,519, 7–2–68, Cl. 58—145.

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Cooper, Lawrence E.: *See*—
Brassard, Theodore, Jr., and Cooper. 3,361,883.

Cooper, Lawrence E., to Texas Instruments Inc. Multi-phase circuit breaker ganging device using circular communication between phases. 3,414,850, 12–3–68, Cl. 335—8.

Cooper, Lawrence E., and E. Kadisevskis, to Texas Instruments Inc. Pressure responsive diaphragm operated device. 3,365,557, 1–23–68, Cl. 200—83.

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Cooper, Milton V., and W. N. Slater, said Slater assor. to said Cooper. Combination barbecue grill and ignition device. 3,410,261, 11–12–68, Cl. 126—25.

Cooper, Murray S., I. S. Danielson, and H. M. Kroll, to American Cynamid Co. Anhydrous liquid suspensions of biologics. 3,378,443, 4–16–68, Cl. 167—78.

Cooper, Ralph F.: *See*—
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Cooper, Robert F., and D. E. Powell, to Homertronics, Inc. Program control system for organs or the like. 3,380,026, 4–23–68, Cl. 340—172.5.

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Castello, Anthony M., and Cooper. 3,386,434.

Cooper, Robert R., to The Coleman Co., Inc. Draft booster system for a wall furnace. 3,394,696, 7–30–68, Cl. 126—116.

Cooper, Robert R., and A. M. Castello, to The Coleman Co., Inc. Gaswell heater. 3,382,860, 5–14–68, Cl. 126—85.

Cooper, Robert S., and A. D. Urfer, to Stauffer Chemical Co. Cleaning compositions comprising alkyl acid orthophosphate surfactants. 3,366,571, 1–30–68, Cl. 252—99.

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Cooper, Wilbur H. Measurement gauges for cartridge cases. 3,398,456, 8–27–68, Cl. 33—174.

Cooper, William C., to The Budd Co. Gravity turnover. 3,388,812, 6–18–68, Cl. 214—1.

Cooper, William C., to The Budd Co. Welding fixture. 3,414,703, 12–3–68, Cl. 219—158.

Cooper, William C., and H. J. Nelson, to The Budd Co. Hot billet loader. 3,379,048, 4–23–68, Cl. 72—419.

Cooper, William J., and D. M. Kyllonen, to Callery Chemical Co. Fire extinguishing agent. 3,367,863, 2–6–68, Cl. 252—2.

Cooperman, Isadore N., and M. W. Kline, to The Borden Co. Polyvinyl halide latices stabilized with diammonium phosphate and ammonium hydroxide. 3,403,123, 9–24–68, Cl. 260—29.6.

Cooperman, Michael, to Radio Corp. of America. Switching system including interlaced groups of bistable switching circuits. 3,384,760, 5–21–68, Cl. 307—221.

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Cooprider, Clyde E. Sharpening fixture for twist drills. 3,373,530, 3–19–68, Cl. 51—238.

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Shearer, Newton H., Jr., and Coover. 3,397,196.

Coover, Harry W., Jr., to Eastman Kodak Co. Three-component aluminum-titanium tetrahalide catalysts for olefin polymerization. 3,401,157, 9–10–68, Cl. 260—93.7.

Coover, Harry W., Jr., to Hercules Inc. Three-component monosubstituted aluminum dihalide catalysts for olefin polymerization. 3,415,801, 12–10–68, Cl. 260—93.7.

Coover, Harry W., Jr., and J. E. Guillet, to Eastman Kodak Co. Wax coatings of improved tack. 3,365,328, 1–23–68, Cl. 117—121.

Coover, Harry W., Jr., and N. H. Shearer, Jr., to Eastman Kodak Co. Metal-reduced transition metal halide catalyst. 3,365,434, 1–23–68, Cl. 260—93.7.

Coover, Harry W., Jr., and R. L. McConnell, to Eastman Kodak Co. Purification of stabilizers. 3,376,232, 4–2–68, Cl. 252—400.

Coover, Harry W., Jr., and R. L. McConnell, to Eastman Kodak Co. Bis[p-(2,3-epoxypropoxy)phenyl]polycyclic saturated hydrocarbons and synthetic resinous polyethers thereof. 3,410,825, 11–12–68, Cl. 260—47.

Coover, Harry W., Jr., and R. L. McConnell, to Eastman Kodak Co. Polymers from phosphonitrilic halides and tetraalkyl difunctional cyclobutanes. 3,415,789, 12–10–68, Cl. 260—77.5.

Copas, Lee A. Weather diffusing apparatus. 3,407,733, 10–29–68, Cl. 102—34.2.

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Cope, Charles S.: *See*—
Alsup, Richard G., and Cope. 3,389,201.

Cope, F. Troy, and R. J. Perrine, to The Electric Furnace Co. Emergency atmosphere annealing furnace and method. 3,396,961, 8–13–68, Cl. 263—3.

Cope, Geoffrey W., to Symington Wayne Corp. Automatic hook type coupler. 3,405,811, 10–15–68, Cl. 213—100.

Cope, Paul E., and F. Clement, to The Procter & Gamble Co. Dentifrice package having a laminated film body. 3,381,818, 5–7–68, Cl. 206—84.

Cope, Robert W., to The Bendix Corp. Electronic function generator. 3,393,308, 7–16–68, Cl. 235—197.

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Copeland, Harold D. Drill bit sharpener. 3,382,738, 5–14–68, Cl. 76—89.2.

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Copeland, John A., III, to Bell Telephone Laboratories, Inc. Self-starting LSA mode oscillator circuit arrangement. 3,414,841, 12–3–68, Cl. 331—107.

Copeland, John R., and W. J. Robertson, to The Ohio State University Research Foundation. Amplifier using antenna as a circuit element. 3,386,033, 5–28–68, Cl. 325—373.

Copeland, John W. Time, speed and distance computer. 3,368,748, 2–13–68, Cl. 235—71.

Copeland, John W. Time, speed and distance computer. 3,373,932, 3–19–68, Cl. 235—61.

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Copeland, Walter C., Jr. Tobacco curing apparatus. 3,367,643, 2–6–68, Cl. 263—19.

Copeland, William M., and F. J. Ritter, to Sunbeam Corp. Hair dryness indicator. 3,418,963. 12–31–68, Cl. 116—67.

Copley, Russell D., and G. R. Sutherland, to Deere & Co. Cotton harvester. 3,378,809, 4–16–68, Cl. 302—17.

Copland, James G., and E. J. Thor, to General Electric Co. Light shutter and support rod operating switches at limits of shutter movement. 3,383,518, 5–14–68, Cl. 250—231.

Coplin, John F., to Rolls-Royce Ltd. Gas turbine engine combustion equipment. 3,374,624, 3–26–68, Cl. 60—39.65.

Coplin, John F., to Rolls-Royce Ltd. VTOL aircraft. 3,383,074, 5–14–68, Cl. 244—55.

Coplin, John F., to Rolls-Royce Ltd. Gas turbine jet propulsion engine. 3,385,065, 5–28–68, Cl. 60—226.

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Coppel, Claude P., to Marathon Oil Co. Process for the use of emulsions in petroleum recovery. 3,376,925, 4–9–68, Cl. 166—9.

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Copping, Bruce G., to Geo. J. Meyer Mfg. Co. Article and tray package. 3,410,396, 11–12–68, Cl. 206—65.

Copping, Bruce G., and T. L. Barker, to Geo. J. Meyer Mfg. Co. Grid for bottle packing apparatus. 3,385,027, 5–28–68, Cl. 53—248.

Copping, Bruce G., and W. D. Hardee, to Geo. J. Meyer Mfg. Co. Palletizer. 3,402,830, 9–24–68, Cl. 214—6.

Copping, Bruce G., W. D. Hardee, and R. W. McGill, to Geo. J. Meyer Mfg. Co. Apparatus for forming packages of articles by banding in a heat shrunk plastic film. 3,417,540, 12–24–68, Cl. 53—48.

Copping, Geoffrey P., and K. W. H. Whittington, to Her Majesty's Postmaster General. Seriatim presentation of articles for viewing. 3,368,701. 2–13–68, Cl. 214—11.

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Coppock, Walter J., to Sun Oil Co. Stable fluid, soap thickened oil lubricant compositions. 3,388,312, 5–14–68, Cl. 252—36.

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Corbaz, Andre, and M. Poull, to The Battelle Development Corp. Method and apparatus for spinning textile fibres. 3,411,284, 11–19–68, Cl. 57—58.91.

Corbell, Paul I., to Johnson Service Co. Perimeter intrusion detection system. 3,378,834, 4–16–68, Cl. 343—5.

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Corbett, Burton, and J. J. Bean, to Miami Copper Co. Differential froth flotation of molybdnite and copper sulfides utilizing "nokes" reagent. 3,375,924, 4–2–68, Cl. 209—167.

Corbett, Frank E., to United States of America, Army. Device for processing X-ray film. 3,411,423, 11–19–68, Cl. 95—89.

Corbett, Harold, to D. Ratner. Precompression attachment. 3,377,661, 4–16–68, Cl. 18—30.

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Corbett, Herbert O., and J. J. Quackenbush, to National Distillers and Chemical Corp. Method for producing thermoplastic sheet material. 3,372,920, 3–12–68, Cl. 264—95.

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Corbin, Paul. Automobile suspension. 3,408,088, 10–29–68, Cl. 280—96.2.

Corby, Denis P., to Crown By-Products Co. Apparatus for removing grease from cans and drums. 3,419,147, 12–31–68, Cl. 210—152.

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Cordani, Eugene J., to ACF Industries, Inc. Pivoted coupler carrier for railway cars. 3,394,821, 7–30–68. Cl. 213—61.

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Cordio, Anthony S., and G. F. Mairle, to International Vulcanizing Corp. Injection mold assembly with means for shearing sprue from finished article. 3,371,385, 3–5–68, Cl. 18—30.

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Courtney, Galen R., to Bell Telephone Laboratories, Inc. Multiple address bridge circuit with noise reduction circuitry. 3,370,127, 2–20–68, Cl. 179—2.

Courtney, Gerald. Spectacle hinge pin for detachable temple pieces. 3,418,041, 12–24–68, Cl. 351—153.

Courtney, John L. Subsurface hair elevator. 3,419,020, 12–31–68, Cl. 132—54.

Courtney, Maurice H., and G. F. Besnyo, to Celanese Corp. Process and apparatus for stripping bobbins. 3,414,955, 12–10–68, Cl. 28—19.

Courtois, Peter D., and G. J. Eriksson, to Superior Concrete Accessories, Inc. Anchor insert and releasable pick-up unit therefor. 3,404,503, 10–8–68, Cl. 52—701.

Cousens, Richard H., D. W. J. Osmond, E. S. G. Simpson, and M. W. Skinner, to Imperial Chemical Industries Ltd. Dispersion coating compositions. 3,399,163, 8–27–68, Cl. 260—33.6.

Cousino, Walter F., to Champion Spark Plug Co. Apparatus for cutting off elongated materials. 3,405,577, 10–15–68, Cl. 83—1.

Cousins, Otto J., F. J. Ritter, and I. Supel, to Sunbeam Corp. Electric knife. 3,417,469, 12–24–68, Cl. 30—272.

Cousins, Thomas C.: *See*—
Camp, Donald A., and Cousins. 3,365,650.

Cousins, William W. Work table for hand printing. 3,372,492, 3–12–68, Cl. 34—151.

Coussemant, Fernand, and J. Vidal, to Institut Francais de Petrole des Carburants et Lubrifiants. Process for the production of peroxides. 3,413,089, 11–26–68, Cl. 23—184.

Coutant, Andre, and J. Mathot, to Eclair International, Societe Anonyme. High-speed film feed mechanism for motion picture cameras. 3,414,178, 12–3–68, Cl. 226—2.

Coutant, Edward R., to General Electric Co. Mercury button switch. 3,415,965, 12–10–68, Cl. 200—152.

Couttet, James E., and D. C. Creissels. Submarine cable transporter system. 3,390,640, 7–2–68, Cl. 104—71.

Couture, Richard P. Control of liquid dispensing units of the metering type. 3,399,807, 9–3–68, Cl. 222—17.

Couture, Robert. Static modular ventilating unit. 3,386,217, 6–4–68, Cl. 52—303.

Couturier, Robert A., to United States of America, Army. In-band break-in system. 3,401,219, 10–1–68, Cl. 178—4.1.

Couvillon, James B., to Westinghouse Electric Corp. Synthetic frequency divider. 3,405,369, 10–8–68, Cl. 331—14.

Couvillon, Lucien A., Jr., to California Institute Research Foundation. Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator. 3,402,265, 9–17–68, Cl. 178—69.5.

Couzens, Peter J., to Imperial Chemical Industries Ltd. Non-woven polypropylene fabrics. 3,396,071, 8–6–68, Cl. 161—150.

Coval, Arthur B.: *See*—
Lee, Arthur L., and Coval. 3,403,797.

Covell, Otis D., Jr. Balancing apparatus. 3,417,720, 12–24–68, Cl. 114—39.

Covell, Russell B., W. H. Clayton, Jr., and R. A. Kane, to Combustion Engineering, Inc. Steam generator with reheat temperature regulation. 3,364,903, 1–23–68, Cl. 122—479.

Coventon, Kennard: *See*—
Welborn, Orange M., and Coventon. 3,401,410.

Covert, Paul W., to Magnetics, Inc. Half-wave control of full-wave A.C. 3,400,324, 9–3–68, Cl. 323—17.

Covert, Peter H., and J. J. Gilbert, to Atlantic Microfilm Corp. Method and apparatus for making microfiche. 3,395,061, 7–30–68, Cl. 156—249.

Covert, Stanley B., Jr. Dispensing container. 3,393,795, 7–23–68, Cl. 206—42.

Covey, William C.: *See*—
Harrington, Robert W., Covey, and McArthur. 3,373,733.

Covington, Cecil E., W. L. Cresap, and J. M. Drees, to Bell Aerospace Corp. Rotor blade. 3,392,788, 7–16–68, Cl. 170—159.

Covington, Charles H. Umbrella and fan combination. 3,401,874, 9–17–68, Cl. 230—241.

Covington, George D., and J. R. De Haan, to Cryogenic Engineering Co. Refrigeration shielded dewar vessel. 3,416,693, 12–17–68, Cl. 220—9.

Covini, Lorenzo, to Cober Fabbrica Articoli Sportivi. Grip for ski poles. 3,367,673, 2–6–68, Cl. 280—11.37.

Cowan, Arnold A., to The Bobrick Corp. Shutoff and drain valve. 3,417,784, 12–24–68, Cl. 137—625.65.

Cowan, Arnold A., and H. T. Linde, to The Bobrick Corp. Waste receptacle having a semi-recessed container. 3,367,528, 2–6–68, Cl. 220—18.

Cowan, Carl E., and S. Michel, to Eastman Kodak Co. Photoresponsive electrostatic image recording apparatus with charging electrode matrix array. 3,409,899, 11–5–68, Cl. 346—74.

Cowan, Charles F., Jr., to Producers Service Co. Film advancing means. 3,408,144, 10–29–68, Cl. 355—48.

Cowan, Edwin J. High efficiency space heater. 3,395,693, 8–6–68, Cl. 126—92.

Cowan, George R.: *See*—
Bergmann, Oswald R., Cowan, and Holtzman. 3,397,444.

Cowan, George R., B. W. Dunnington, and A. H. Holtzman, to E. I. du Pont de Nemours and Co. Process for synthesizing diamond. 3,401,019, 9–10–68, Cl. 23—209.1.

Cowan, Gerald De G., to Automation Industries, Inc. Ultrasonic inspection. 3,415,110, 12–10–68, Cl. 73—67.8.

Cowan, Jack C.: *See*—
Beasley, Augustus E., Jr., Cowan, and Gainey. 3,379,650.

Cowan, Jack C., A. E. Beasley, Jr., and H. G. Gainey, to National Lead Co. Foundry core and molding sand composition. 3,403,037, 9–24–68, Cl. 106—38.6.

Cowan, James H., Jr.: *See*—
Buehl, Walter M., and Cowan. 3,387,961.

Cowan, John C.: *See*—
Bell, Edward W., and Cowan. 3,383,284.

Cowan, John R.: *See*—
Steeneck, Robert, and Cowan. 3,388,378.

Cowan, John V. Electroacoustic transducers. 3,374,367, 3–19–68, Cl. 310—8.5.

Cowan, Morris: *See*—
Weissman, Bernard, and Cowan. 3,369,298.

Cowan, Morris. Instrument for providing parallel pin denture anchorage. 3,375,584, 4–2–68, Cl. 32—67.

Cowan, Richard T., Jr., and Richard T. Cowan, Sr. Pressure gauge field testing method and apparatus. 3,398,570, 8–27–67, Cl. 73—4.

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Cowan, Richard T., Jr., and Richard T. Cowan, Sr. 3,398,570.

Cowans, Kenneth W., to Hughes Aircraft Co. Heat powered engine. 3,379,026, 4–23–68, Cl. 62—6.

Cowans, Kenneth W., to Hughes Aircraft Co. Displacer assembly for closed cycle engines and Stirling cycle refrigerators. 3,394,542, 7–30–68, Cl. 60—24.

Cowans, Kenneth W., to Hughes Aircraft Co. Regenerator structure. 3,413,802, 12–3–68, Cl. 60—24.

Cowden, Lewis M.: *See*—
McGeary, Thomas C., and Cowden. 3,369,386.

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Lindgren, George C., and Cowdery. 3,373,860.

Cowell, Robert L.: *See*—
Ryan, John W., and Cowell. 3,406,482.
Ryan, John W., Kabot, Kossoff, May, and Cowell. 3,383,795.

Cowen, Frank M., and G. Bellis, to American Cyanamid Co. Betaines. 3,366,671, 1–30–68, Cl. 260—501.12.

Cowen, John C. L.: *See*—
De Mart, Le Roy S., and Cowen. 3,377,026.

Cowhey, Timothy T.: *See*—
Woodruff, Maurice D., and Cowhey. 3,404,778.

Cowie, Raymond L.: *See*—
Snyder, Marvin K., Bradley, and Cowie. 3,415,027.

Cowles Dissolver Co., Inc., The: *See*—
Brown, Donald J., and Hanlon. 3,386,299.

Cowles, John H.: *See*—
Benson, Carl F., and Cowles. 3,404,760.

Cowles, John H., and R. H. White, to The Torrington Co. Bearing retainer. 3,368,855, 2–13–68, Cl. 308—217.

Cowles, Warren H.: *See*—
Wheeler, Dean F., and Cowles. 3,374,800.

Cowles, Warren H., and W. R. Kaminski, to Holley Carburetor Co. Fuel control. 3,366,155, 1–30–68, Cl. 158—11.

Cowley, John J., to Therapeutic Research Corp., Ltd. Oxygen inhalator. 3,392,724, 7–16–68, Cl. 128—145.8.

Cowley, John J., to Desal Ltd. Process for continuous regenerative distillation of impure water. 3,398,060, 8–20–68, Cl. 203—11.

Cowley, William E., to Vermont American Corp. Combination pruning device with adjustable handle. 3,360,858, 1–2–68, Cl. 30—249.

Cowley, William E., to Vermont American Corp. Hacksaw blade. 3,416,579, 12–17–68, Cl. 143—133.

Cowlin, Donald G. Waste water gravity heat reclaimer. 3,361,194, 1–2–68, Cl. 165—66.

Cowlin, Donald G. Storage conveyer. 3,389,779, 6–25–68, Cl. 198—75.

Cowman, George W.: *See*—
Blevins, George R., and Cowman. 3,363,367.

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Blache-Fraser, Francis M., Cowper, and Curnow. 3,417,239.

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Cox, Alvon R., and W. F. Grimes, to Abbott Laboratories. Folding syringe case and container. 3,384,231, 5–21–68, Cl. 206—69.

Cox, Andrew P., Jr.: *See*—
Abruzzo, Joseph, Cox, and Sapp. 3,416,144.

Cox, Arthur, H. J. Koeber, and S. Liszczak, to Bell & Howell Co. Power operated zoom and focus control with selective optical paths to viewfinder. 3,370,907, 2–27–68, Cl. 352—140.

Cox, Bing A.: *See*—
Curtis, Larry L., O'Gorman, and Cox. 3,408,973.

Cox, Bradley G., to Baker Perkins Inc. Methods and apparatus for maintaining a liquid head in a centrifuge. 3,377,019, 4–9–68, Cl. 233—2.

Cox, Bradley G., L. Yablonski, and B. A. Loomans, to Baker Perkins, Inc. Mixing machine drive. 3,380,116, 4–30–68, Cl. 18—12.

Cox, Charles H.: *See*—
Friauf, George F., Horn, and Cox. 3,391,577.

Cox, Clyde D. Landscaping implement. 3,367,293, 2–6–68, Cl. 111—6.

Cox, Clyde M., to Phillips Petroleum Co. Vapor liquid mixing in fractionation overhead system. 3,401,093, 9–10–68, Cl. 203—2.

Cox, Donald E.: *See*—
Sieger, John S., and Cox. 3,388,508.

Cox, Douglas L., and J. E. Savole, to Textron Inc. Method for blocking and deblockling lenses. 3,404,488, 10–8–68, Cl. 51—284.

Cox, Earle F., to Chemetron Corp. Apparatus for storing and transferring rails. 3,366,258, 1–30–68, Cl. 214—518.

Cox, Edward W., and E. Cashwell, to Philip Morris Inc. Continuous rod circumference measurement and control. 3,380,351, 4–30–68, Cl. 93—1.

Cox, Ernest P. Fishhooks. 3,399,482, 9–3–68, Cl. 43—15.

Cox, Eugene B., to General Electric Co. Capacitor with a polyolefin dielectric. 3,363,156, 1–9–68, Cl. 317—258.

Cox, Eugene F.: *See*—
Hostettler, Fritz, and Cox. 3,379,693.
Hostettler, Fritz, and Cox. 3,392,128.
Hostettler, Fritz, and Cox. 3,392,153.
Hostettler, Fritz, and Cox. 3,398,106.
Hostettler, Fritz, and Cox. 3,417,104.

Cox, Eugene F., and R. J. Knopf, to Union Carbide Corp. Chlorinated hydroxyl-containing compositions and urethane polymers prepared therefrom. 3,376,281, 4–2–68, Cl. 260—209.

Cox, Eugene R., to Continental Oil Co. Wax compositions having superior fast tack property. 3,396,134, 8–6–68, Cl. 260—28.5.

Cox, Floyd E., to E. W. Bliss Co. Power supply. 3,419,730, 12–31–68, Cl. 307—66.

Cox, Frank T., Jr., to Rockwell-Standard Corp. Brake actuator. 3,406,609, 10–22–68, Cl. 92—63.

Cox, Frank T., Jr., H. A. Sherretts, and G. P. Mathews, to American Standard Inc. Emergency brake actuator. Re. 26,432, 8–6–68, Cl. 92—63.

Cox, Frank T., and W. J. Williams, to Rockwell-Standard Co. Brake actuators. 3,395,584, 8–6–68, Cl. 74—110.

Cox, George H., D. W. J. Osmond, M. W. Skinner, and C. H. Young, to Imperial Chemicals Industries, Ltd. Block of graft copolymer coated pigments. 3,393,162, 7–16–68, Cl. 260—4.

Cox, George R., to J. P. Divine Mfg. Co. Freeze drying apparatus. 3,384,978, 5–28–68, Cl. 34—92.

Cox, Harry, A. B. Gosling, and J. A. H. Shiel, to International Computers and Tabulators Ltd. Document feeding apparatus. 3,391,925, 7–9–68, Cl. 271—20.

Cox, Herbert F., Jr. Liquid measuring device. 3,380,628, 4–30–68, Cl. 222—1.

Cox Instruments Division: *See*—
Madden, Eugene. 3,400,575.

Cox, Ivan E., and R. W. Fritts. Battery closure. 3,394,035, 7–23–68, Cl. 136—177.

Cox, James H., and E. B. Eisenegger. Portable, self-contained, electrical pumping device. 3,386,622, 6–4–68, Cl. 222—76.

Cox, James P. Clamping Christmas tree stand. 3,371,896, 3–5–68, Cl. 248—46.

Cox, James P., to R. W. Beach. Ripening cheese with filbert nut extract and saccharomyces cerevisial enzymatic material. 3,375,118, 3–26–68, Cl. 99—116.

Cox, James R.: *See*—
Pettyjohn, Austin E., Riblett, Davidson, and Cox. 3,371,615.

Cox, James S. Shrimp butchering apparatus. 3,380,112, 4–30–68, Cl. 17—2.

Cox, James W. Velocipede driving apparatus. 3,375,023, 3–26–68, Cl. 280—251.

Cox, John R., to Balas Collet Co. Quick change tool holder. 3,398,965, 8–27–68, Cl. 279—30.

Cox, John R., to Balas Collet Co. Tool holder. 3,405,949. 10–15–68. Cl. 279—9.

Cox, John R., to Balas Collet Co. Tool holder. 3,405,950, 10–15–68. Cl. 279—103.

Cox, John W.: *See*—
Zimmerman, Grier D., and Cox. 3,365,008.

Cox, Julian F., Jr., to Newport News Shipbuilding and Dry Dock Co. Rotary heat exchanger with ribbed inner liner of higher thermal conductivity than outer shell. 3,367,042, 2–6–68. Cl. 34—124.

Cox, Kenneth C., to Dravo Corp. Earth boring machine. 3,379,264, 4–23–68, Cl. 175—86.

Cox, Leroy E., and T. D. Smith, to Moulded Chemical Products, Inc. Chemical process for a polyurethane elastomer. 3,396,051, 8–6–68, Cl. 117—161.

Cox, Lloyd A.: *See*—
Maskey, Donald F., and Cox. 3,366,532.

Cox, Mayo A. Nutcracker. 3,379,232, 4–23–68, Cl. 146—13.

Cox, Oran D. Fishing lure. 3,371,444, 3–5–68, Cl. 43—42.22.

Cox, Paul R., Jr.: *See*—
Carter, Ernest P., Cox, and Lanier. 3,415,922.

Cox, Robert A., to The Trane Co. Bearing bracket. 3,403,843, 10–1–68, Cl. 230—120.

Cox, Robert B., J. H. Davids, and W. E. Johnson, to Desalination Plants (Developers of Zarchin Process) Ltd. Vacuum freeze solution separation system. 3,398,548, 8–27–68, Cl. 62—124.

Cox, Robert C. Foldable container. 3,373,917, 3–19–68, Cl. 229—14.

Cox, Robert G.: *See*—
Denney, Raymond E., and Cox. 3,379,226.

Cox, Robert J.: *See*—
Panasik, Theodore, and Cox. 3,401,038.

Cox, Robert J., to Pennsalt Chemicals Corp. Process for replacing the diaphragm-cathode assembly in an electrochemical cell. 3,383,295, 5–14–68, Cl. 204—128.

Cox, Robert J., and T. Panasik, to General Aniline & Film Corp. Light-sensitive ultraviolet absorbing compounds and diazotype materials containing the same. 3,365,296, 1–23–68, Cl. 96—91.

Cox, Robert M.: *See*—
Czernek, Clyde F., Cox, and Turner. 3,366,004.

Cox, Robert P., to Omega Chemicals Corp. Inhibition of volatilization of volatile organic compounds. 3,382,031, 5–7–68, Cl. 21—60.5.

Cox, Robert P., to Omega Chemicals Corp. Inhibition of volatilization of volatile organic compounds. 3,382,032, 5–7–68, Cl. 21—60.5.

Cox, Roland O.: *See*—
Cherry, Vonner P. R., and Cox. 3,375,874.

Cox, Shaun M., to National Research Development Corp. Method of making film resistors. 3,373,486, 3–19–68. Cl. 29—610.

Cox, Shaun M., to National Research Development Corp. Electrical insulating bodies. 3,408,228, 10–29–68, Cl. 117—227.

Cox, Thomas L.: *See*—
Balentine, George H., Jr., Johnson, and Cox. 3,373,773.

Cox, Victor I. M., to Albro Fillers and Engineering Co. Ltd. Method of and apparatus for unscrambling articles in bulk. 3,392,816, 7–16–68, Cl. 198—33.

Cox, Victor J., to E. K. Cole, Ltd. High voltage rectifiers. 3,381,204, 4–30–68, Cl. 321—15.

Cox, Wayne D., Jr.: *See*—
Pruitt, Earl C., and Hughes. 3,385,112.
Pruitt, Earl C., and Hughes. 3,410,298.

Cox, William H.: *See*—
O'Brien, John C., and Cox. 3,417,856.

Cox, William H., to Sun Oil Co. Method and apparatus for the production of seismographic records. 3,408,622, 10–29–68, Cl. 340—15.5.

Cox, William H., and A. D. Winters, Jr. Coil winder. 3,370,808. 2–27–68, Cl. 242—158.4.

Cox, William J. G., to Computing Device of Canada, Ltd. Resolver system. 3,407,292, 10–22–68, Cl. 235—186.

Coyle, Michael J., to United States of America, Army. Ripple and droop reduction. 3,393,368, 7–16–68. Cl. 328—64.

Coyle, Peter A., A. G. M. Reeves, and D. C. Sanders, to The Plessey Co. Ltd. Electric control circuits. 3,400,251, 9–3–68, Cl. 219—503.

Coyne, Donald M.: *See*—
Cahoy, Roger P., and Coyne. 3,417,144.

Coyne, Donald M., and R. H. Havens, to Gulf Research & Development Co. Purification of methacrylaldehyde. 3,391,193, 7–2–68, Cl. 260—601.

Cozadd, Raymond B.: *See*—
Miller, Richard A., and Cozadd. 3,366,259.

Cozine, Harold E., and J. J. Torok, to Owens-Illinois Inc. Apparatus for drawing glass in cylindrical form. 3,364,004, 1–16–68, Cl. 65—187.

Cozza, John, M. Friedman, and D. C. Lindley, to Cellu-Craft Inc. Treatment device. 3,384,083, 5–21–68, Cl. 128—260.

Crabb, Elmer R.: *See*—
Anderson, Rodney H., Campbell, Crabb, and Hosoda. 3,378,133.

Crabbe, Edwin P.: *See*—
Stoffels, Robert E., Talcott, Erdmann, Luce, and Crabbe. Re. 26,396.

Crabbé, Léon, to Aktiebolaget Svenska Flaktfabriken. Apparatus for wet-cleaning dust-laden gases. 3,385,032, 5–28–68, Cl. 55—249.

Crabbé, Pierre: *See*—
Bowers, Albert, Crabbé, and Edwards. 3,375,260.

Crabbe, Pierre, and C. Casas-Campillo, to Syntex Corp. Microbiological hydroxylation of steroids. 3,375,174, 3–26–68, Cl. 195—51.

Crabbe, Rene: *See*—
Deprez, Charles, Bulte, and Crabbe. 3,361,654.

Crabtree, Kenneth L., to Keyes Fibre Co. Full depth carton for large eggs. 3,375,966, 4–2–68, Cl. 229—2.5.

Craddock, Carlton G.: *See*—
Curry, Robert P., and Craddock. 3,367,935.

Craddock, Mike. Oil well pumping unit control circuit. 3,417,290, 12–17–68, Cl. 317—13.

Crady, Clarence W., Jr., to Sun Oil Co. Asphalt compositions. 3,395,110, 7–30–68, Cl. 260—28.5.

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Roy, Leo T. 3,364,560.

Craft, James A., and J. O. Schaefer, to International Business Machines Corp. Variable stroke mechanism for printing platen. 3,366,213, 1–30–68, Cl. 197—45.

Craft, John L., to International Business Machines Corp. Computer input channel. 3,407,391, 10–22–68, Cl. 340—172.5.

Crafts, Cecil A., M. D. McFarlane, and J. E. Mitchell, to Robertshaw Controls Co. Inductive signal transfer device, useful for aviators' helmets. 3,387,606, 6–11–68, Cl. 128—141.

Cragar, Darryl E., and D. O. Bowen, to The Dow Chemical Co. Rapid curing epoxy resin compositions containing a substituted triazine as an accelerator. 3,366,601, 1–30–68, Cl. 260—47.

Craggs, Harold C., to Imperial Chemical Industries Ltd. Manufacture of diaryl oxides from phenols. 3,363,002, 1–9–68, Cl. 260—612.

Cragin, Jack T., and M. J. Makowski, to North American Rockwell Corp. Infrared simulator. 3,383,902, 5–21–68, Cl. 73—1.

Crago, Richard A., to Union Carbide Corp. Ferroalloy casting process. 3,373,794, 3–19–68, Cl. 164—127.

Cragoe, Edward J., Jr.: *See*—
Schultz, Everett M., and Cragoe. 3,409,661.

Cragoe, Edward J., Jr., to Merck & Co., Inc. 2-organosulfinyl- and 2-organosulfonyl-derivatives of (4-alkanoylphenoxy) alkanoic acids. 3,364,255, 1–16–68, Cl. 260—519.

Cragoe, Edward J., Jr., and J. B. Bicking, to Merck & Co., Inc. Process for the preparation of pteridinones. 3,361,748, 1–2–68, Cl. 260—251.5.

Cragoe, Edward J., Jr., and J. B. Bicking, to Merck & Co., Inc. 4H-pyrazino-[2,3d][1,3] oxazin-4-ones and their preparation. 3,410,850, 11–12–68. Cl. 260—244.

Cragon, Harvey G., and H. N. Peterson, to Texas Instruments, Inc. Digital phase shift control for phased array radar. 3,403,401, 9–24–68, Cl. 343—100.

Cragon, Harvey G., R. G. Cochran, W. J. Watson, and P. H. Poe, to Texas Instruments Inc. Multiplexing and demultiplexing of related time series data records. 3,411,145, 11–12–68. Cl. 340—172.5.

Craia, Giulip: *See*—
Bertin, Mario, Moiso, Craia, and Pasquarelli. 3,413,077.

Craig, Carroll C. Film holder. 3,373,673, 3–19–68, Cl. 95—66.

Craig, Don W., to U.S. Plywood-Champion Papers Inc. Flameproofing of construction material. 3,383,274, 5–14–68, Cl. 161—162.

Craig, Douglas R. Fruit package with integral stand support. 3,418,139, 12–24–68, Cl. 99—171.

Craig, Forreat F., Jr.: *See*—
Satter, Abdus, Craig, and Geffen. 3,375,870.

Craig, Gale M. Gas turbine power plant with sub-atmospheric spray-cooled turbine discharge into exhaust compressor. 3,369,361, 2–20–68, Cl. 60—39.5.

Craig, Glenn D.: *See*—
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Craig, Howard L., Jr.: *See*—
Romans, Harmon B., and Craig. 3,379,630.

Craig, Jimmie M., to United States of America, Navy. Snubber for deploying lines. 3,374,865, 3–26–68, Cl. 188—1.

Craig, Joseph F. M., and E. L. Falconer, to Canadian Industries, Ltd. Explosive composition containing an inorganic oxidizer salt, a soluble lignosulphonate, and mutual solvent therefore. 3,369,945, 2–20–68, Cl. 149—39.

Craig, Paul N., and J. R. E. Hoover, to Smith Kline & French Laboratories. 2-amidobenzimidazoles. 3,401,171, 9–10–68, Cl. 260—309.2.

Craig, Richard W.: *See*—
Chapman, Charles S., Jr., Craig, Gage, and Smith. 3,388,934.

Craig, Robert D., and E. Willdig, to Associated Electrical Industries Ltd. Mass spectrometer sample insertion devices. Re. 26,392, 5–21–68, Cl. 250—41.9.

Craig, Robert G., L. Friedman, and W. A. Schwartz, to Air Products and Chemicals, Inc. Preparation of motor fuels having an octane number above 100. 3,374,167. 3–19–68, 208—65.

Craig, Robert G., and J. Zulueta, to Air Products and Chemicals, Inc. Catalytic hydrogenation of aromatic hydrocarbons. 3,387,049, 6–4–68, Cl. 260—667.

Craig, Robert G., and L. Friedman, to Air Products and Chemicals, Inc. Catalytic hydrogenation of unsaturated hydrocarbons. 3,388,055, 6–11–68, Cl. 208—143.

Craig, Stephen J., and J. T. de Souza, to Imperial Chemical Industries Ltd. Recovery of ethers by contact with ammonia and an alkaline metal in a liquid medium. 3,410,760, 11–12–68, Cl. 203—29.

Craig Systems Corp.: *See*—
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Craig, Walton H., to Pennsalt Chemicals Corp. Process of preparing tomato concentrate. 3,404,012, 10–1–68, Cl. 99—204.

Craig, Willis G., to Koppers Co., Inc. Method of forming a fiber mat. 3,363,036, 1–9–68, Cl. 264—91.

Craig, Willis G., to Koppers Co., Inc. Apparatus for forming a fiber mat. 3,408,697, 11–5–68, Cl. 19—156.3.

Craighead, Daniel P., ½ to H. T. Solveson. Method and apparatus for constructing a large capacity mobile crane. 3,393,810, 7–23–68, Cl. 212—1.

Craighead, Emery M., to Phillips Petroleum Co. Oil production by vertical steam drive. 3,380,527, 4–30–68, Cl. 166—11.

Craighead, Emery M., to Phillips Petroleum Co. Production of oil by steam flood. 3,412,794, 11–26–68, Cl. 166—11.

Crail, Jesse W. Torsion bar sheet separator. 3,403,903, 10–1–68, Cl. 271—20.

Crain Allan M., to The Orville Simpon Co. Releasable screen tensioning and connecting means. 3,406,823, 10–22–68, Cl. 209—363.

Crain, Donald L.: *See*—
Kittleman, Edmund T., Crain, and Kleinschmidt. 3,363,014.
Kubicek, Donald H., and Crain. 3,395,189.
Norell, John R., Crain, and Kleinschmidt. 3,387,050.
Zuech, Ernest A., Crain, and Kleinschmidt. 3,379,781.

Crain, Donald L., and R. E. Reusser, to Phillips Petroleum Co. Method for converting ethylene to higher molecular weight hydrocarbons. 3,404,194, 10–1–68, Cl. 260—683.15.

Crain, Richard W.: *See*—
Zievers, James F., Riley, and Crain. 3,391,789.

Crain, Robert L.: *See*—
Pitts, William A., Crain, and Pierce. 3,405,763.
Quebe, Herbert O., and Crain. 3,400,950.

Crain, Robert L., and R. E. Latham, to Gray Tool Co. Clamp. 3,403,931, 10–1–68, Cl. 285—334.2.

Craine, John C., to Advertising Metal Display Co. Data designation device. 3,391,462, 7–9–68, Cl. 83—143.

Craine, Joseph B.: *See*—
Hayhurst, Lewis J., Ramsbottom, and Craine. 3,419,400.

Cralle, Walter O., Jr., and G. T. Slaughter, to International Business Machines Corp. Printing apparatus with no-print feature. 3,382,963, 5–14–68, Cl. 197—916.

Cram, Kenneth H., to E. I. du Pont de Nemours and Co. Liquid-stripper bar. 3,381,506, 5–7–68, Cl. 68—19.

Cram, Kenneth H., to E. I. du Pont de Nemours and Co. Apparatus for removal of liquid from moving filamentary yarns. 3,391,672, 7–9–68. Cl. 118—126.

Cram, Teri Y., and P. L. De Luca; said De Luca assor. to said Cram. Dress form with core. 3,362,593, 1–9–68, Cl. 223—68.

Cramer, Francis B., to E. I. du Pont de Nemours and Co. Polyesters from perhaloalkyl bisphenols and sepcified aromatic acid halides. 3,388,097, 6–11–68, Cl. 260—47.

Cramer, Frank N., and J. L. Curry, to General Motors Corp. Fore and aft adjustable headrest. 3,403,938, 10–1–68, Cl. 297—391.

Cramer, Harold W. Method and apparatus for testing pipelines. 3,400,574, 9–10–68, Cl. 73—40.5.

Cramer, Howard A.: *See*—
Grisham, Charles R., and Cramer. 3,414,171.

Cramer Industries, Inc.: *See*—
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Walkinshaw, Thomas G. 3,376,068.

Cramer, John E. Shot holder and wad for shot shells. 3,402,664, 9–24–68, Cl. 102—42.

Cramer, Lloyd A. Wood embossing apparatus. 3,393,294, 7–16–68, Cl. 219—388.

Cramer, Richard A.: *See*—
Folsom, Theodore R., and Cramer. 3,388,377.

Cramer, Richard D., to E. I. du Pont de Nemours and Co. Iminosulfur oxydifluorides and the process for their preparation. 3,410,669, 11–12–68, Cl. 23—357.

Cramer, Robert S.: *See*—
Troope, Walter S., and Cramer. 3,367,041.

Cramer, Stephen D.: *See*—
Pennington, William A., and Cramer. 3,362,894.

Cramer, Thomas A., and J. R. Lewis, to Hercules Inc. Blends of isotactic propylene polymer and hydrogenated terpene polymer. 3,361,849, 1–2–68, Cl. 260—897.

Cramer, William D., to Wm. A. Cruikshank, Jr. Pliable material supporting method and apparatus. 3,392,890, 7–16–68, Cl. 223—28.

Cramer, William H., and H. M. Garfinkel, to Corning Glass Works. Method of producing a photochromic glass and resulting article. 3,419,370, 12–31–68, Cl. 65—30.

Cramm, Herman W.: *See*—
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Crampton, Charles P., to The Hamilton Tool Co. Batch delivery mechanism. 3,373,666, 3–19–68, Cl. 93—93.

Crampton, Clifford A., D. G. Bowen, C. F. Cardy, and A. Poole. Process of producing sulphamic acid derivatives. 3,401,195, 9–10–68, Cl. 260—501.12.

Crampton, Gale W., and H. J. Fremont, to Atlantic Licensing Corp. Dynamic engine analyzer. 3,415,114, 12–10–68, Cl. 73—117.2.

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Cranch, Edward J., and R. M. Hickox, to Leeds & Northrup Co. Span trimming adjustment and temperature compensation for a transmitter of the force balance type. 3,390,386, 6–25–68, Cl. 340—187.

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Crandall, Charles B., and A. F. Scheff, to Barber-Colman Co. Mechanism for separating flat articles. 3,412,442, 11–26–68, Cl. 28—46.

Crandall, Charles L., to Small Business Administration. Inductive loop metallic object detector. 3,397,364, 8–13–68, Cl. 331—65.

Crandall, Eugene L. Fabric bonding process. 3,407,104, 10–22–68, Cl. 156—212.

Crandall, Horace C. Bags for use in revetment structures. 3,374,635, 3–26–68, Cl. 61—38.

Crandall, Loid, and L. D. Leone, to Active Engineering, Inc. Method of making unitary tire repair cartridge. 3,400,445, 9–10–68, Cl. 29—451.

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Crandon, Harry D., to American Optical Co. Method of making optical elements using ultrasonic vibration. 3,396,214, 8–6–68, Cl. 264—1.

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Crane, Bently A., and J. A. Githens, to Bell Telephone Laboratories, Inc. Two-dimensional associative memory system. 3,376,555, 4–2–68, Cl. 340—172.5.

Crane, Bently A., and J. A. Githens, to Bell Telephone Laboratories, Inc. Information storage and processing system utilizing associative memory. 3,391,390, 7–2–68, Cl. 340—172.5.

Crane, Burke J., D. J. Walker, and G. H. Myers, to Whirlpool Corp. Electronic control circuit for direct drive automatic. 3,369,381, 2–20–68, Cl. 68—12.

Crane, Carlton L., and D. F. Ingerick, to Eastman Kodak Co. Process for preparing polyvinyl phthalate in which the improvement is the use of activated polyvinyl alcohol. 3,405,103, 10–8–68, Cl. 260—78.4.

Crane Co.: *See*—
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Aumann, William E. 3,360,805.
Carr, Edward W., and Petrie. 3,412,973.
Cerow, Joseph A. 3,399,862.
Crits, George J., and Zahn. 3,385,787.
Dehne, Hans D. 3,390,776.
Easton, Frank B. 3,375,789.
Glover, George E., and Pratt. 3,380,804.
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Crane, Delbert E.: *See*—
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Crane, George J., to Huron Nassau Ltd. Electrolytic cell container. 3,405,051, 10–8–68, Cl. 204—269.

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Crane, Hewitt D., to Stanford Research Institute. Optical pattern recognition device using non-linear photocell. 3,394,347, 7–23–68, Cl. 340—146.3.

Crane, Hewitt D., to Stanford Research Institute. Solid-state detector. 3,395,295, 7–30–68, Cl. 310—8.1.

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Crane, Jack W., and J. P. Tarbox, to Sperry Rand Corp. Hay pelleter. 3,362,142, 1–9–68, Cl. 56—1.

Crane, Jameson, and G. C. Fulmer, to Crane Plastics, Inc. Extruded plastic panel-framing strip having integral rigid body section and resiliently flexible panel-gripping flanges. 3,363,390, 1–16–68, Cl. 52—716.

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Crane, Mose S. Segmented measuring cup. 3,363,469. 1–16–68, Cl. 73—429.

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Crane, Walton B., to Allied Plastics Co. Shipping container. Re. 26,386, 5–7–68, Cl. 229—23.

Crane, Walton B., to Allied Plastics Co. Shipping container. 3 373,921, 3–19–68, Cl. 229—23.

Crane, Walton B. Garment hanger. 3,406,883, 10–22–68, Cl. 223—96.

Cranendonk, Adriaan C., to American Enka Corp. Process for producing improved rayon threads from viscose and the rayon threads produced thereby. 3,377,179, 4–9–68, Cl. 106—165.

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Crano, John C., and E. K. Fleming, to Pittsburgh Plate Glass Co. Polymerization using peroxycarbonate esters with salts of sulfurous acid. 3,380,946, 4–30–68, Cl. 260—29.6.

Crano, John C., and E. K. Fleming, to PPG Industries, Inc. Polymerization. 3,413,277, 11–26–68, Cl. 260—93.5.

Cranskens, Georg, to Lumoprint Zindler K.G. Irradiation device and more particularly exposure device. 3,379,112, 4–23–68, Cl. 95—77.5.

Cranston, Albert E., Jr., W. C. Cranston, and W. J. Rowell, to Devco, Inc. Snare-type wire binding machine. 3,387,556, 6–11–68, Cl. 100—4.

Cranston, Ivan R. Safety kit for sportsmen. 3,414,365, 12–3–68, Cl. 431—291.

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Cravens, Du Val, to Osmose Wood Preserving Co. of America, Inc. Tree treatment method. 3,367,065, 2–6–68, Cl. 47—57.5.

Cravens, Du Val, R. F. McGuire, R. E. Birtz, and K. D. Wherry, to Osmose Wood Preserving Co. of America, Inc. Method of reinforcing deteriorated sections of timber and means of carrying out the same. 3,362,124, 1–9–68, Cl. 52—514.

Cravens, Samuel V. Material-suspending air current differential density segregating apparatus. 3,367,502, 2–6–68, Cl. 209—467.

Crawford, Arthur R., to Abex Corp. Magnetic transducer railroad wheel detector. 3,392,279, 7–9–68, Cl. 246—249.

Crawford, Carl T., and W. W. Everling. Method for manufacturing extended tab core memory frames. 3,382,572. 5–14–68, Cl. 29—604.

Crawford, Charles D., to The Dow Chemical Co. Process for the manufacture of polychloro-4-pyridyl sulfones. 3,415,832, 12–10–68, Cl. 260—294.8.
Crawford, Charles H., and H. H. Gotberg, to Colonial Broach & Machine Co. Straightening apparatus and method. 3,415,103, 12–10–68, Cl. 72—389.
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Crawford, Jay. Book cover turning-in machine. 3,398,038, 8–20–68, Cl. 156—492.
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Crawford, Raymond V., A. G. Roberts, and P. A. Toseland, to J. Bibby & Sons Ltd. Water-soluble alkyd resins. 3,412,056, 11–19–68, Cl. 260—22.
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Crawford, William R., III. Underwater motor. 3,396,941, 8–13–68, Cl. 253—1.
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Creely, Robert J. Chance controlled electrical racing game apparatus. 3,417,995, 12–24–68, Cl. 273—134.
Creevy, Charles, and H. T. Clark, to Glaxo Laboratories Ltd. Vented enclosed glass ampoule and method of making it. 3,375,948, 4–2–68, Cl. 215—32.
Creffield, David F., to United Shoe Machinery Corp. Stacking devices for cutting presses. 3,406,602, 10–22–68, Cl. 83—92.
Creger, Paul L., to Parke, Davis & Co. Process for the production of steroidal C–17 spirolactones. 3,413,288, 11–26–68, Cl. 260—239.57.
Crehore, Robert, to CCI Corp. Panel cab for vehicles. 3,388,944, 6–18–68, Cl. 296—28.
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Cremer, Robert L., to King-Seeley Thermos Co. Plastic axle bearings for use on toy vehicles. 3,389,496, 6–25–68, Cl. 46—221.
Cremer, Robert L., to King-Seeley Thermos Co. Plastic axle bearings for use on toy vehicles. 3,389,497, 6–25–68, Cl. 46—221.
Cremer, Robert L., to King-Seeley Thermos Co. Plastic axle bearings for use on toy vehicles. 3,389,498, 6–25–68, Cl. 46—221.

Cremer, Walter, to Koppers Co., Inc. Apparatus for quenching coke from horizontal coke ovens. 3,367,844, 2–6–68, Cl. 202—227.

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Crenshaw, Ronnie R., to Bristol-Myers Co. 2-phenyl-3[para-(β-pyrrolidino ethoxy) - phenyl] - 6 - methox/benzo[b]thiophene. 3,413,305, 11–26–68, Cl. 260—326.5.

Crenshaw, Walter J., H. S. Hicks, and E. O. Oakes, to Riegel Textile Corp. Apparatus for making plush fabrics. 3,394,-739, 7–30–68, Cl. 139—21.

Crenshaw, Walter J., and W. P. Durst, to Riegel Textile Corp. Weft-inserter drive for shuttleless looms. 3,399,700, 9–3–68, Cl. 139—123.

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Crepinsek, Alois. Rotary cylinder lock. 3,413,831, 12–3–68, Cl. 70—358.

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Crescent Insulated Wire & Cable Co.: *See*—
Robinson, Edmund L. 3,413,408.

Crescent Metal Products, Inc.: *See*—
Baggott, George T. 3,379,482.

Crescent Niagara Corp.: *See*—
Angguist, Torsten F. 3,398,451.

Cress, Hobart A., and J. T. Walls, to United States of America, Atomic Energy Commission. Friction welder. 3,396,893, 8–13–68, Cl. 228—2.

Cress, Vernor B., Jr., E. P. Hoyt, R. B. Metz, R. D. Pollock, S. M. Kerber, R. W. Cabe, and P. F. Apitz, to Tamar Electronics Industries, Inc. Traffic control system. 3,376,546, 4–2–68, Cl. 340—37.

Cress, Vernor B., Jr., P. F. Apitz, P. G. Halamandaris, R. W. Wheeler, and E. P. Hoyt, to Tamar Electronics Industries, Inc. Self-adaptive timing system for traffic controller. 3,414,-876, 12–3–68, Cl. 340—36.

Cress, Vernor B., Jr., and P. G. Halamandaris, to Tamar Electronics Industries, Inc. Self-adaptive timing system for a traffic controller. 3,414,877, 12–3–68, Cl. 340—37.

Cressman, Homer W. J., and J. R. Thirtle, to Eastman Kodak Co. Elements and developers for color photography utilizing phenolic couplers containing an aminoalkyl group on the coupling position. 3,419,390, 12–31–68, Cl. 96—55.

Cressman, Russell N., and J. P. Hoffman, to Bethlehem Steel Corp. Eddy current inspection apparatus and method of calibrating. 3,394,503, 7–23–68, Cl. 324—40.

Cresswell, Roger A., and G. S. Kitson, to Rolls-Royce Ltd. Jet nozzle chain drive and mounting means therefor. 3,400,540, 9–10–68, Cl. 60—232.

Cresswell, Roger A., and G. S. Kitson, to Rolls-Royce Ltd. Cooling means for rotatable jet nozzle, bearing and turbine blades. 3,418,810, 12–31–68, Cl. 60—232.

Crestworth Ltd.: *See*—
Smith, David G. 3,387,396.

Creter, Frederick G., to The Singer Co. Sewing machine drive mechanism. 3,395,661, 8–6–68, Cl. 112—220.

Creve Coeur Mfg. Co.: *See*—
Smith, Charles R., and Slagell. 3,407,858.

Crews, John B., E. Dillingham, and J. R. Kearl, to Calculator Equipment Corp. Automatic passageway. 3,386,202, 6–4–68, Cl. 49—35.

Cribbs, Robert D., G. E. Venzke, and E. J. Moes, to Collins Radio Co. Rectifier frequency shift keyer (FSK) converter and filter circuit. 3,417,336, 12–17–68, Cl. 328—140.

Criblez, Roger, to F. B. Hatebur. Arrangement for controlling the movement of an auxiliary element on a crank-operated device. 3,364,721, 1–23–68, Cl. 72—345.

Cricchi, James: *See*—
Rachal, Francis, and Cricchi. 3,399,360.

Cricchi, James R., and W. G. Reininger, to Westinghouse Electric Corp. Storage tube. 3,401,294, 9–10–68, Cl. 313—68.

Crichton, Neil T., to Harbison-Walker Refractories Co. Basic oxygen furnace construction. 3,366,377, 1–30–68, Cl. 266—35.

Crichton, Raymond K., and D. O. Sterrett, said Sterrett assor. to said Crichton. Borehole camera. 3,377,934, 4–16–68, Cl. 95—11.

Criddle, Dean W.: *See*—
Dreher, John L., and Criddle. 3,401,027.

Criddle, Dean W., to Chevron Research Co. Urea containing grease compositions. 3,376,223, 4–2–68, Cl. 252—40.7.

Crile, Eugene E.: *See*—
Thomas, Paul M., Neill, Wright, Crile, and Burge. 3,404,-788.
Thomas, Paul M., Wright, Burge, and Crile. 3,371,459.
Thomas, Paul M., Wright, Burge, and Crile. 3,382,640.

Crile, Eugene E., P. M. Thomas and W. R., to Builders Equipment Co. Vertical level locator for a pallet handling machine. 3,368,702, 2–13–68, Cl. 214—16.4.

Crilly, Ira B.: *See*—
Bickford, John H., Crilly, and Blinow. 3,371,863.

Crimmins, David J., to The Thomas & Betts Co. Laminated bus assemblies. 3,396,230, 8–6–68, Cl. 174—72.

Crimmins, David J., to The Thomas & Betts Co. Molded bus assembly. 3,407,375, 10–22–68, Cl. 339—22.

Crimmins, William M., to Brunswick Corp. Selectively positionable print heads for scorer printer. 3,416,443, 12–17–68, Cl. 101—93.

Cripe, Alan R., to United Aircraft Corp. Resiliently mounted axle bearing assembly. 3,382,017, 5–7–68, Cl. 308—238.

Cripe, Alan R., to Aeronca Mfg. Corp. Motor actuated railway hopper car door mechanism. 3,401,644, 9–17–68, Cl. 105—240.

Cripe, Alan R., T. R. Wheaton, and R. J. Cassidy, to United Aircraft Corp. Gas turbine-electric locomotive. 3,362,352, 1–9–68, Cl. 105—49.

Cripe, Alan R., and W. C. Caylor, to United Aircraft Corp. Folding staircase. 3,408,959, 11–5–68, Cl. 105—447.

Cripe, Earnest C. Vertically expandable vehicle. 3,377,100, 4–9–68, Cl. 296—137.

Cripe, Maxwell L., to The Bendix Corp. Fluid pressure servomotor. 3,362,297, 1–9–68, Cl. 91—217.

Cripe, Maxwell L., to The Bendix Corp. Fluid pressure proportioning means. 3,368,350, 2–13–68, Cl. 60—54.5.

Cripe, Maxwell L., to The Bendix Corp. Brake malfunction indicator. 3,393,514, 7–23–68, Cl. 60—54.6.

Cripe, Maxwell L., to The Bendix Corp. Hydraulic pressure hold-off and booster means. 3,416,314, 12–17–68, Cl. 60—54.5.

Cripe, Maxwell L., and R. R. Hager, to The Bendix Corp. Double acting fluid pressure servomotor. 3,393,609, 7–23–68, Cl. 91—376.

Crippen, Huston D. Automatic stock feeder. 3,376,856, 4–9–68, Cl. 119—52.

Crisafulli, Angelo J. Centrifugal pump. 3,371,614, 3–5–68, Cl. 103—104.

Crisafulli, Samuel L. Cartons or boxes for shipping fresh produce. 3,361,324, 1–2–68, Cl. 229—27.

Crisci, Harry. Partitioned package of stacked articles. 3,384,-226, 5–21–68, Cl. 206—65.

Crisci, Harry. Packaging machine. 3,390,510, 7–2–68, Cl. 53—390.

Crise, George W. Snap-acting, cycling, thermostatic switch. 3,418,617, 12–24–68, Cl. 337—368.

Crisler, Joseph P., F. E. Brinckman, Jr., and E. A. Whitman, to United States of America, Navy. Corrosive-resistant and hermetically sealed controlled atmosphere microscope box and microscope. 3,393,032, 7–16–68, Cl. 350—67.

Crisp, Oris L. Outrigger stabilizer for cranes. 3,396,854, 8–13–68, Cl. 212—145.

Crispe, Stanley W., and M. J. Mercer, to T. & T. Vicars Ltd. Wafer feed device. 3,379,140, 4–23–68, Cl. 107—1.

Criss, Donald H., to Owens-Illinois, Inc. Valve device for plastic extruder. 3,375,553, 4–2–68, Cl. 18—30.

Criss, George H.: *See*—
Burhans, Richard O., and Criss. 3,379,544.

Criss, George H., to Harbison-Walker Refractories Co. Mold wash. 3,364,040, 1–16–68, Cl. 106—38.23.

Criss, George H., to Dresser Industries, Inc. High alumina castable. 3,395,032, 7–30–68, Cl. 106—64.

Crissey, Jackson R., to Ling-Temco-Vought, Inc. Single location charger. 3,368,576, 2–13–68, Cl. 137—1.

Crist, Buckley, and R. F. Wolf; said Wolf assor. to said Crist. Shower head. 3,383,050, 5–14–68, Cl. 239—436.

Crist, Elmer E., to Beloit Corp. Doctor shape control device. 3,399,420, 9–3–68, Cl. 15—256.51.

Crist, Elmer E., and J. L. Diltz, to Beloit Corp. Control apparatus for horizontal reel. 3,380,685, 4–30–68, Cl. 242—65.

Crist, Elmer E., and D. B. Edward, to Beloit Corp. Calender loading mechanism. 3,405,632, 10–15–68, Cl. 100—41.

Criswell, Byron R., and H. Primack, to Zenith Radio Corp. Defibrillator electrode or the like. 3,389,703, 6–25–68, Cl. 128—404.

Criswell, Mildred L. Bookrest. 3,410,516, 11–12–68, Cl. 248—459.

Critchell, Dean J., to Eastman Kodak Co. Packaging machine. 3,397,505, 8–20–68, Cl. 53—74.

Critchfield, Frank E., B. F. James, and C. G. Barber, to Union Carbide Corp. Production of tight flexible urethane foam. 3,385,806, 5–28–68, Cl. 260—2.5.

Critchley, Stuart W., and F. Lamb, to Geigy Chemical Corp. Lubricant compositions containing 2,4,6-tri-amino-substituted pyrimidines. 3,374,173. 3–19–68, Cl. 252—50.

Critchlow, Dale L., to International Business Machines Corp. Automatic gain control for signal having plural discrete levels. 3,371,317, 2–27–68, Cl. 340—172.

Crits, George J.: *See*—
Applebaum, Samuel B., and Crits. 3,414,508.

Crits, George J., and W. H. Zahn, to Crane Co. Condensate purification process. 3,385,787, 5–28–68, Cl. 210—32.

Crittenden, Eugene C., Jr., to TRW Inc. Hypersonic transducer. 3,412,269. 11–19–68, Cl. 310—8.1.

Crittenden, Geoffrey H., and A. E. Mills, to Pacific Coast Engineering Co. Anti-sway device. 3,375,938, 4–2–68, Cl. 212—13.

Crittenden, William B., to United States of America, Navy. Time discriminator. 3,417,264, 12–17–68, Cl. 307—232.

Crivello, Mike P., to McGraw-Edison Co. Internal pipe coupling. 3,394,951, 7–30–68, Cl. 285—109.

Croall, Milton L., S. H. Creed, and R. J. Bell, to FMC Corp. Encapsulating and loading apparatus. 3,388,528, 6–18–68, Cl. 53—253.

Crocella, Paolo, and O. Pasquarelli, to Montecatini Edison S.p.A. Packing case for fish or other perishable products which require liquid drainage. 3,366,273, 1–30–68, Cl. 220—97.

Crocheron, Volney D., to The Galigher Co. Corrosion-proof lining for metallurgical grinding mills. 3,378,209, 4–16–68, Cl. 241—102.

Croci, Emile M.: *See*—
Ghirelli, Bruno. 3,408,777.

Crocker, Bunting S., T. G. Fulmor, F. L. Holderreed, W. Lucy, and J. F. Mahoney, to The Anaconda Co. Ore grinding control. 3,417,927, 12–24–68, Cl. 241—24.

Crocker, Harry E., to McGraw-Edison Co. Combination dictating-transcribing machine. 3,386,743, 6–4–68, Cl. 274—9.

Crocker, Henry P., and W. G. C. Raper, to Monsanto Chemicals (Australia) Ltd. Preparation of 2-substituted benzimidazoles. 3,406,178, 10–15–68, Cl. 260—309.2.

Crocker, Jeremy F.: *See*—
Webb, Paul, and Crocker. 3,401,683.

Crocker, Millerd C., II, to United States of America, Air Force. Earth's orientation of satellite antenna. 3,390,847, 7–2–68, Cl. 244—1.

Crocker, Millerd C., II, and E. A. Vrablik, to United States of America, Air Force. Magnetic torquing of spin axis stabilization. 3,390,848, 7–2–68, Cl. 244—1.

Crocker, William P. Vehicle bumper cushion. 3,378,296, 4–16–68, Cl. 293—71.

Crockett, David L., and R. L. Sperling, to Honeywell Inc. Radiation chopper element providing two alternate radiation paths. 3,415,998, 12–10–68, Cl. 250—233.

Crockett, Garold D., and G. A. Dalphond. Thatch remover attachment for rotary lawnmowers. 3,395,521, 8–6–68, Cl. 56—295.

Crockett, Joseph G., and R. C. Belcer, ½ to XTRA, Inc., and ½ to Dorsey Trailers, Inc. Coupleable chassis. 3,374,010, 3–19–68, Cl. 280—415.

Crockett, Joseph T. Composition for stripping durable, adherent coatings. 3,391,085, 7–2–68, Cl. 252—143.

Crockett, Peter N., M. A. Krygowski, and T. S. Stafford, to International Business Machines Corp. Variable priority access system. 3,399,384, 8–27–68, Cl. 340—172.5.

Crockett, Sydney R. Probe ejecting rocket motor. 3,377,952, 4–16–68, Cl. 102—49.4.

Crockford, Joseph R., to Kimberly-Clark Corp. Catamenial tampon. 3,369,544, 2–20–68, Cl. 128—285.

Croeni, Jack G., and J. S. Howe, Jr., to United States of America, Interior. Consolidation and forming by high-energy-rate extrusion of powder material. 3,390,985, 7–2–68, Cl. 75—205.

Crofts, George B.: *See*—
Clanton, Henry M., and Crofts. 3,390,256.

Croisant, Elmer E., and A. Blaauw, to Colt Mfg. Co., Inc. Brake valve for hydraulic transmission. 3,394,771, 7–30–68, Cl. 180—66.

Croke, Edward J.: *See*—
Roberts, John J., and Croke. 3,378,449.

Croley, Thomas E., and G. R. Seckel, to The Corrugated Container Co. Fiberboard box having a strengthened connector corner joint. 3,361,326, 1–2–68, Cl. 229—37.

Croll-Reynolds Co., Inc.: *See*—
Jackson, David H., and Reynolds. 3,369,344.

Crom Corp., The: *See*—
Crom, Theodore R. 3,385,016.

Crom, Theodore R., to The Crom Corp. Joint construction and waterstop-bearing pad therefor. 3,385,016, 5–28–68, Cl. 52—224.

Cromeans, John S., to Catalysts & Chemicals Inc. Removal of sulfur compounds in steam-gas reforming and shift conversion processes. 3,382,044, 5–7–68, Cl. 23—212.

Cromer, Charles F.: *See*—
Strom, Albert P., Cromer, and Browne. 3,381,101.

Cromer, Charles F., to Westinghouse Electric Corp. Compressed-gas circuit breaker with movable orifice contact and configured flow director about stationary contact assembly. 3,364,327, 1–16–68, Cl. 200—148.

Cromer, Earle G., Jr.: *See*—
Brumbaugh, Robert T., Cromer, and Czyryk. 3,404,395.

Cromley, Robert F. Electron impulse applicator and method of using electron impulse applicator. 3,403,685, 10–1–68, Cl. 128—419.

Cromley, William H., to Smith Kline & French Laboratories. Motor activity indicator. 3,378,675, 4–16–68, Cl. 235—92.

Crompton & Knowles Corp.: *See*—
Bradish, Elliott E. 3,376,902.
Gurney Gordon T. 3,417,792.
Gustafson, Ralph P. 3,379,034.
Kilgallon, John. 3,387,348.
Maquire, Leo R. 3,374,648.
Nugarus, Anthony R. 3,360,900.
Nugarus, Anthony R. 3,380,704.
Nugarus, Anthony R. 3,383,054.
Payne, Oscar V. 3,376,900.
Schedin, Robert S. 3,403,707.
Shackleton, John D., Jr., and Kronoff. 3,403,706.
Simmons, George S., Jr. 3,392,758
Sundquist, Gustaf A., Jr. 3,403,708.
Wueger, Karl W. 3,395,737.
Wueger, Karl W. 3,404,708.

Crompton Parkinson Ltd.: *See*—
Busing, Konrad. 3,363,084.

Crompton, Thomas E., to Monsanto Co. Apparatus for producing fine fibers. 3,409,938, 11–12–68, Cl. 18—2.6.

Cromwell, Gordon W.: *See*—
Klein, Richard J., Archer, and Cromwell. 3,384,807.

Cromwell, Thomas M.: *See*—
Shepherd, Joseph L., and Cromwell. 3,416,999.

Cronau, William L.: *See*—
Jagaciak, George J., Poulton, and Cronan. 3,385,716.

Cronberg, Alvin D., C. N. Impola, and T. H. Lentz, to Ashland Oil & Refining Co. Use of primary aliphatic ether amine acid salts in froth flotation process. 3,363,758, 1–16–68, Cl. 209—166.

Cronburg, Claude I. L., Jr., H. T. King, J. W. Knapp, and F. M. Smith, to Bell Telephone Laboratories, Inc. Diversity receiver with revertive action to a preferred selection. 3,401,340, 9–10–68, Cl. 325—304.

Crone, Alfred F., to Acme Highway Products Corp. Groove filler. 3,413,900, 12–3–68, Cl. 94—17.

Crone, Alfred F., and F. F. Bryan, to Acme Highway Products Corp. Positioning highway joint supports and shear plates in paving material. 3,417,680, 12–24–68, Cl. 94—51.

Cronheim, Richard B. Illuminated mirror. 3,368,068, 2–6–68, Cl. 240—4.2.

Cronin, David V., to Dynamics Research Corp. Electro-optical encoder having transmission variation compensation. 3,364,359, 1–16–68, Cl. 250—231.

Cronin, David V., to Dynamics Research Corp. Optical encoder using common light source with beam splitter means. 3,412,256, 11–19–68, Cl. 250—231.

Cronin, George R.: *See*—
Haisty, Robert W., and Cronin. 3,392,193.

Cronin, John: *See*—
Rodriguez, Antonio R., and Cronin. Re. 26,421.

Cronin, Robert B.: *See*—
Bohor, Bruce F., Cronin, and Knutson. 3,389,750.

Croninger, Arthur G. Foldable bookholder. 3,417,954, 12–24–68, Cl. 248—462.

Cronite Co., Inc., The: *See*—
Steffens, Robert N. 3,387,779.

Cronkhite, Minton B., to Cubic Corp. Radio aid to navigation. 3,369,237. 2–13–68, Cl. 343—105.

Cronquist, Donald H., and J. E. Shepard, to International Business Machines Corp. Stepping motor positioning system including acceleration and deceleration control. 3,374,410, 3–19–68, Cl. 318—138.

Cronquist, Robert W., to True Temper Corp. Intrenching tool. 3,401,971, 9–17–68, Cl. 294—53.5.

Crook, Alan, and M. J. Horrobin, to English Sewing Cotton Co. Ltd. Sewing thread. 3,368,343, 2–13–68, Cl. 57—140.

Crook, Dwight L., to Logansport Machine Co. Inc. Compensating-universal chuck. 3,365,207, 1–23–68, Cl. 279—119.

Crook, Gaines M., to TRW, Inc. Three-axis reversible sensor mount. 3,397,586, 8–20–68, Cl. 74—96.

Crooke, Robert C., C. L. Cooper, and N. Koot, to Global Marine, Inc. Kelly stabber. 3,371,728, 3–5–68, Cl. 175—85.

Crooks, James R.: *See*—
Bobolts, Melbourne W., and Crooks. 3,379,386.

Crooks, James W., to Borg-Warner Corp. Transmission mechanism. 3,385,134, 5–28–68, Cl. 74—759.

Crooks, Ralph K., J. M. Hardenbrook, R. D. Leis, J. C. Swain, and D. L. Thomas, to Battelle Development Corp. General purpose underwater manipulating system. 3,381,485, 5–7–68, Cl. 61—69.

Crookston, Albert A. Record cleaner. 3,408,982, 10–29–68, Cl. 274—47.

Croomes, Edgar F., to United States of America, Army. Dinitrogen tetraoxide-difluoroamino-substituted fuel compositions and method of using same for rocket propulsion. 3,383,859, 5–21–68, Cl. 60—214.

Croon, Ingemar L.-A., and L. G. Kjellander, to Domsjo, Mo och, Aktiebolag. Method of treating stored wood chips. 3,401,085, 9–10–68, Cl. 195—8.

Croop, Edward J., and C. H. Vondracek, to Westinghouse Electric Corp. Insulation utilizing boron phosphate. 3,383,275, 5–14–68, Cl. 161—171.

Cropp, David L., C. C. Jordan, and R. W. Lingo, to Glass-Tite Industries, Inc. Work holder for aligning and sealing a beaded wire element into a glass tube. 3,419,372, 12–31–68, Cl. 65—146.

Cropp, Leland C., and C. R. Vaught, to Sylvania Electric Products Inc. Soldering machine. 3,403,242, 9–24–68, Cl. 219—85.

Cropper, Wendell P.: *See*—
Kapff, Sixt F., and Cropper. 3,402,595.

Cropper, Wendell P., to Standard Oil Co. Peak reader apparatus employing a servo rebalance motor operating in a single direction. 3,396,336, 8–6–68, Cl. 324—103.

Cropper, Wendell P., to Standard Oil Co. Peak reader apparatus employing a servo rebalance motor operating in a single direction. 3,405,358, 10–8–68, Cl. 324—103.

Crosby, Donald G.: *See*—
Johnson, Herbert E., and Crosby. 3,387,031.

Crosby, Edwin S. Bottle storage device. 3,365,068, 1–23–68, Cl. 211—74.

Crosby, Hartzell L., and J. R. Parkinson, to Parkinson, Crosby & Works, Inc. Method of recovery of chemical values of a kraft pulping process of cellulosic material. 3,396,076, 8–6–68, Cl. 162—33.

Crosby, Lawton H., and E. B. Feingold. Spring construction. 3,388,904, 6–18–68. Cl. 267—111.
Crosby, Peter F., to Diebold Inc. Pneumatic tube system. 3,419,229. 12–31–68, Cl. 243—19.
Crosby, Stephen A. Tying implement and method. 3,415,557, 12–10–68, Cl. 289—1.5.
Crose, Ralph, to Kim Enterprise, Inc. Underwater diving apparatus. 3,379,023, 4–23–68, Cl. 61—70.
Croset, Louis P. Torsional vibration dampers. 3,398,602, 8–27–68, Cl. 74—574.
Crosier, James E., J. A. Blanchette, and R. F. Romanowski, to R. J. Sporting Inc. Collapsible and portable cabana. 3,405,721, 10–15–68, Cl. 135—7.1.
Croskery, Lorraine J.: *See*—
Charnock, John A. 3,363,907.
Crosland, Howard C., to Chemical Rubber Products, Inc. Modified diaphragm assembly. 3,385,174, 5–28–68, Cl. 92—100.
Crosland, Richmand G.: *See*—
Williamson, David T. N., Muir, and Crosland. 3,384,755.
Crosman Arms Co., Inc.: *See*—
Molina, Roger, and Koepplin. 3,411,785.
Crosman, Dorland L.: *See*—
Bonanno, Joseph L., and Crosman. 3,377,740.
Crosman, Dorland L., to De Luxe Reading Corp. Bullet-shell assembly having a spring for propelling the bullet. 3,369,534, 2–20–68, Cl. 124—26.
Crosman, Dorland L., to De Luxe Topper Corp. Toy cannon with barrel recoil mechanism. 3,403,669, 10–1–68, Cl. 124—29.
Crosman, Dorland L., to DeLuxe Topper Corp. Toy having magnetically actuatable appendage. 3,411,237, 11–19–68, Cl. 46—239.
Crosman, Dorland L., to De Luxe Topper Corp. Magnetically controlled doll tearing mechanism. 3,412,504, 11–26–68, Cl. 46—135.
Cross, Alan: *See*—
Storchheim, Samuel, and Cross. 3,366,479.
Cross, Alexander D.: *See*—
Beard, Colin C., and Cross. 3,364,203.
Beard, Colin C., and Cross. 3,365,444.
Beard, Colin C., and Cross. 3,376,292.
Beard, Colin C., and Cross. 3,414,592.
Cross, Alexander D., to Syntex Corp. 17-(aliphatic hydrocarbonoxy) and 17-(substituted aliphatic hydrocarbonoxy) estrane derivatives. 3,374,251, 3–19–68, Cl. 260—397.1.
Cross, Alexander D., to Syntex Corp. Processes for fused cyclopropyl steroids. 3,385,868, 5–28–68, Cl. 260—397.4.
Cross, Alexander D., to Syntex Corp. 3-desoxy-pregnenes and #-19-nor-pregnenes and their preparation. 3,400,137, 9–3–68, Cl. 260—397.4.
Cross, Alexander D., to Syntex Corp. 4-oxa pregnane derivatives. 3,413,311, 11–26–68, Cl. 260—340.5.
Cross, Alexander D., to Syntex Corp. 4-oxa-19-nor-Δ1.5, (10)-pregnadiene-3,20-dione steroids and their preparation. 3,417,106, 12–17–68, Cl. 260—340.5.
Cross, Alexander D., and C. C. Beard, to Syntex Corp. 8-substituted methylene and halomethylene pregnanes. 3,365,446, 1–23–68, Cl. 260—239.55.
Cross, Alexander D., and I. T. Harrison, to Syntex Corp. Pregna-4,6-diene- and 19 norpregna-4,6-diene-3β,16,17α-triol steroids, derivatives thereof, and processes for their preparation. 3,386,994, 6–4–68, Cl. 260—239.55.
Cross, Barrington: *See*—
Montagne, Johannes T. W., and Cross. 3,414,653.
Cross, Carroll N. Display mount. 3,364,605, 1–23–68, Cl. 40—124.1.
Cross Co., The: *See*—
Agresta, Dano J., and Boelstler. 3,399,446.
Pierce, Guy D., and Runft. 3,361,250.
Cross, Earl G., to Turco Mfg. Co. Diagonal-printing screening machine. 3,369,484. 2–20–68, Cl. 101—38.
Cross, Earl G., to Turco Mfg. Co. Gym set headbar attachment channel. 3,409,259, 11–5–68, Cl. 248—214.
Cross, James M.: *See*—
Campbell, Clyde D., Cross, and Metzger. 3,361,814.
Cross, James M., and C. D. Nolen, to Mobay Chemical Co. Polyester polyols containing a coumarin brightener and a blue dye. 3,380,955, 4–30–68. Cl. 260—40.
Cross, James M., C. D. Campbell, and S. H. Metzger, Jr., to Mobay Chemical Co. Purification of aromatic diamines. 3,413,350, 11–26–68, Cl. 260—582.
Cross, James M., C. D. Campbell, and S. H. Metzger, to Mobay Chemical Co. Purification of aromatic diamines. 3,414,619. 12–3–68. Cl. 260—582.
Cross, James M., S. H. Metzger, Jr., and C. D. Campbell, to Mobay Chemical Co. Mixtures of 2,4- and 2,6-lower alkyl cyclohexylenediamines. 3,419,612, 12–31–68. Cl. 260—563.
Cross, James R. Control desk for emergency vehicle. 3,391,659, 7–9–68, Cl. 108—45.
Cross, John D., and L. Goodwin, to The De Havilland Aircraft Co. Ltd. Mass flow measuring apparatus. 3,395,726, 8–6–68, Cl. 137—468.
Cross, Laurence A., Jr., to Randomatic Data Systems, Inc. Coded element and means for use therewith. 3,389,242, 6–18–68, Cl. 235—61.112.
Cross, Leonard H., S. Inglefield, and N. Ward, to Imperial Chemical Industries Ltd. Apparatus for collecting fractions separated by gas-chromatography. 3,376,731, 4–9–68, Cl. 73—23.1.
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Crosswhite, Billy L., and J. F. Kinney, to United States of America, Army. Method of operating a liquid oxidizer feed piston. 3,374,623, 3–26–68, Cl. 60—39.48.
Croston, Donald E., to Sam Stein Associates, Inc. Machine for coating articles with finely divided particles, with conveyors. 3,404,659, 10–8–68, Cl. 118—24.
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Cudmore, Elma D. and J. G. 3,371,861.
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Cull, Neville L., J. K. Mertzweiller, and H. M. Tenney, to Esso Research and Engineering Co. Hydroformylation process for polymers. 3,383,426, 5–14–68, Cl. 260—635.

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Kirkpatrick, Henry O. 3,386,260.
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Ross, Edward E., Cunningham, and Hartman. 3,386,559.
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Cunningham, James B., and R. L. Lich, to General Steel Industries, Inc. Brake for six-wheel trucks. 3,371,748, 3–5–68, Cl. 188—47.

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Cupit, Carl, C. J. Oliva, C. Broad, Jr., and R. A. Gritchen, to International Harvester Co. Speed control device. 3,400,697, 9–10–68, Cl. 123—97.

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Cramer, Frank N., and Curry. 3,403,938.

Curry, James B. Adhesive tape dispensing appliances. 3,386,634, 6-4-68, Cl. 225—16.

Curry, John. Golf practice device. 3,417,620, 12-24-68, Cl. 73—379.

Curry, Leonard L., to Chevron Research Co. Ultraviolet stabilized isotactic polypropylene. 3,371,062, 2-27-68, Cl. 260—45.7.

Curry, Robert P., and C. G. Craddock, to Geigy Chemical Corp. Process for the preparation of phosphoric acid esters. 3,367,935, 2-6-68, Cl. 260—251.

Curry, Roger W.: *See*—
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Curry, Truman M., to The Boeing Co. Wind tunnel free flight test apparatus. 3,382,712, 5-14-68, Cl. 73—147.

Curry, William J., Jr., to Hiram Swank's Sons. Apparatus for preparing metal test samples from molten metal baths. 3,367,189, 2-6-68, Cl. 73—425.4.

Curth, Fernando A., to Bunge Corp. Hatch cover. 3,367,300, 2-6-68, Cl. 114—201.

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Curtin, John H., and J. Gagolski, to The Colonial Sugar Refining Co. Water-soluble phosphate compositions and process for preparing. 3,375,168, 3-26-68, Cl. 167—93.

Curtin, Paul J., and J. Munagian, to McGraw-Edison Co. Luminaire having level indicator. 3,385,258, 5-28-68, Cl. 116—114.

Curtindale, Edward G., to General Motors Corp. Steering column mounting bracket assembly. 3,394,613, 7-30-68, Cl. 74—492.

Curtis, Allen W. Gas fired infrared ray generator. 3,363,662, 1-16-68, Cl. 158—114.

Curtis, Charles D., and D. C. Bichel, to Deere & Co. Rotary plant knocker for a seed harvester. 3,410,064, 11-12-68, Cl. 56—19.

Curtis, Charles R., to AMP Inc. Modular electrical connector. 3,389,369, 6-18-68, Cl. 339—121.

Curtis, Daniel L., to Litton Systems, Inc. Underwater propulsion system. 3,411,474, 11-19-68, Cl. 115—6.1.

Curtis, David T. Device for moving injured persons. 3,373,454, 3-19-68, Cl. 5—81.

Curtis Dyna-Products Corp.: *See*—
Curtis, Russell R., and McGinnis. 3,369,705.

Curtis, Frank W., and M. H. Nickerson, to Lexsuco, Inc. Prefabricated foam expansion joints. 3,375,621, 4-2-68, Cl. 52—58.

Curtis, Geoffrey, to Steel Cords Ltd. Wire cords. 3,362,147, 1-9-68, Cl. 57—34.

Curtis, Gerald R., to Statham Instruments, Inc. Periarterial blood flow and blood pressure measuring devices. 3,403,672, 10-1-68, Cl. 128—2.05.

Curtis, Gerald R., to Statham Instruments, Inc. Blood pressure transducer. 3,418,853, 12-31-68, Cl. 73—406.

Curtis, Gerard W., to American Cyanamid Co. Softening leather by application of an acetylated monoglyceride. 3,399,954, 9-3-68, Cl. 8—94.22.

Curtis, Gerard W., and E. P. Woznlak, to American Cyanamid Co. Process for purification of 4,4'-dihydroxydiphenyl sulfide. 3,390,190, 6-25-68, Cl. 260—609.

Curtis, James H., to Miles Laboratories, Inc. Paper coating composition containing modified dialdehyde polysaccharide modified polysaccharide reaction product. 3,395,106, 7-30-68, Cl. 260—8.

Curtis, John R., Jr. Light flasher for fork lift vehicles. 3,381,287, 4-30-68, Cl. 340—282.

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Curtis, Larry G., and P. J. Trent, to Eastman Kodak Co. Photographic viewing screen prepared from a lenticulated polyester film. 3,419,408, 12-31-68, Cl. 117—10.

Curtis, Larry L., T. M. O'Gorman, and B. A. Cox. Pedestal and pivot for sailboat jib. 3,408,973, 11-5-68, Cl. 114—98.

Curtis, Lloyd W., to G. T. Schjeldahl Co. Core tailoring. 3,391,883, 7-9-68, Cl. 244—31.

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Curtis, Marland G. Hydraulic locking system for threaded members on a gyrating type crusher. 3,405,875, 10-15-68, Cl. 241—207.

Curtis, Marland G. Lining ring assembly for rock crushers. 3,406,917, 10-22-68, Cl. 241—295.

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Curtis, Roger C.: *See*—
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Curtis, Russell R., and C. D. McGinnis, to Curtis Dyna-Products Corp. Plural source cleaning apparatus having fluid actuated diaphragm-type proportioning valve. 3,369,705, 2-20-68, Cl. 222—57.

Curtis, Thomas E., and P. G. Chance, to A. B. Chance Co. Automatic sectionalizing of electric power distribution systems. 3,388,297, 6-11-68, Cl. 317—24.

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Curtis, Walter C., to Continental Can Co., Inc. Double pocketed pouch. 3,394,870, 7-30-68, Cl. 229—56.

Curtis, Westley F., and H. A. David, to United States of America, Navy. Distillative hydroelectrolysis with alternatively applied pressure. 3,367,848, 2-6-68, Cl. 203—49.

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Avena, Samuel, and Leiner. 3,395,763.
Bentele, Max. 3,387,595.
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Bremer, Roger E., and Dangler. 3,368,640.
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Jones, Charles. 3,400,939.
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Loprete, Joseph F., Flanzenbaum, and Campbell. 3,373,940.
Richardson, Harry L. 3,400,536.
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Sacchini, Columbus R. 3,393,777.
Sacchini, Columbus R. 3,393,779.
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Curtze, Edward W., G. O. Wehner, and J. M. Barsom, to PPG Industries, Inc. Apparatus for severing glass sheets. 3,398,868, 8–27–68, Cl. 225—103.

Curutchet, Pedro D. Surgical instrument. 3,398,680. 7–23–68, Cl. 128—321.

Curutchet, Pedro D. Surgical instrument handle. 3,407,816, 10–29–68, Cl. 128—318.

Curzio, Pericle Q., to Silver S.p.A. and Quadrio Curzio S.p.A. Method of forming a line in a gallery. 3,381,479, 5–7–68, Cl. 61—45.

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Curzio, Pericle Q. 3,381,479.

Cuscurida, Michael, to Jefferson Chemical Co., Inc. Process of preparing polyoxypropylene polyether polyols. 3,393,243, 7–16–68, Cl. 260—615.

Cushing, Carole B., and F. R. Michael, to Bell Telephone Laboratories, Inc. Computer controlled output tape batching arrangement. 3,403,384, 9–24–68, Cl. 340—172.5.

Cushing, Donald S., and T. E. Jenkins, to General Electric Co. Means to achieve close clearance between stationary and moving members. 3,381,620, 5–7–68, Cl. 103—111.

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Cushing, Vincent J. Electromagnetic volumetric flowmeter. 3,411,355, 11–19–68, Cl. 73—194.

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Cushman, Gerald D., and E. E. Reynolds, to SCM Corp. Actuator means for calculating machines. 3,401,878, 9–17–68, Cl. 235—9.

Cushman, Kenneth V., to The Delron Co. Panel structure and edging means gripping an embedded panel locking means. 3,365,851, 1–30–68, Cl. 52—580.

Cushman, Kenneth V., to The Delron Co., Inc. Self-locking insert assembly. 3,383,975, 5–21–68, Cl. 85—77.

Cushman, Kenneth V., to The Delron Co., Inc. Modular enclosure with clamp joined panels. 3,392,497, 7–16–68, Cl. 52—272.

Cushman, Paul A. Combined exhaust silencer and heat exchanger. 3,404,731, 10–8–68, Cl. 165—51.

Cushman, Ralph A., to Cushman Foundry, Inc. Mold board construction for candy machines. 3,370,554, 2–27–68, Cl. 107—3.

Cushman, Robert H., to Western Electric Co., Inc. Apparatus for applying a coating of a fused material to an article. 3,377,012, 4–9–68, Cl. 228—40.

Cushman, Robert H., to Western Electric Co., Inc. Method for die casting electrical connections. 3,402,758, 9–24–68, Cl. 164—108.

Cushman, Robert H., and J. A. Hosford, to Western Electric Co., Inc. Capacitor termination. 3,402,461, 9–24–68, Cl. 29—592.

Cusi, Eduardo L. Steam trap. 3,376,885, 4–9–68, Cl. 137—183.

Cusi, Eduardo L., to Sarco Co., Inc. Diaphragm actuated control valve. 3,407,829, 10–29–68, Cl. 137—154.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. Hydrazones of 1-amino-4-(xanthenyl and thioxanthenyl)piperazines. 3,374,231, 3–19–68, Cl. 260—240.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. Hydrazones of 1-amino-4-dibenzocycloheptenylpiperazines. 3,377,344, 4–9–68, Cl. 260—240.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. Hydrazones of 1-amino-3,3-diphenylpyrrolidines. 3,395,144, 7–30–68, Cl. 260—240.

Cusson, David E., to The Warner & Swasey Co. Disappearing table. 3,395,596, 8–6–68, Cl. 83—409.

Custer, Robert E., to General Motors Corp. Potential regulator circuit for permanent magnet type alternators. 3,369,170, 2–13–68, Cl. 322—28.

Custin, Thomas G. Method and means for exhibiting separate audio visual records in synchronism. 3,378,238, 4–16–68, Cl. 352—31.

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Custom Materials, Inc.: *See*—
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Hubbard, Charles J. 3,409,375.
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Mead, Edward Q., Gall, Greening, and Hayes. 3,412,301.
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Cutler, Mac C., to Filters, Inc. Process for making a molded filter assembly. 3,372,073, 3–5–68, Cl. 156—69.

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Cutler, Neville G., to Mechema Ltd. Stabilized insecticidal phosphorodithioates in powders of substantially iron-free kieselguhr with low volatile solvent oils. 3,390,048, 6–25–68, Cl. 167—42.

Cutright, Robert C., to United States of America, Air Force. High temperature reflective and thermally protective coatings. 3,364,065, 1–16–68, Cl. 117—135.1.

Cutter, James W. Clamping and locking apparatus. 3,379,079, 4–23–68, Cl. 81—367.

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Martin, Thomas W., Sr., Rogers, and Ashton. 3,400,927.

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Cuza, Cerso R. Continuously operating centrifugal device. 3,385,443, 5–28–68, Cl. 210—178.

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Cyba, Henryk A., to Universal Oil Products Co. Stabilization of plastics. 3,361,712, 1–2–68, Cl. 260—45.75.

Cyba, Henryk A., to Universal Oil Products Co. Use of reaction product of certain acid and alkanolamine. 3,362,906, 1–9–68, Cl. 252—51.5.

Cyba, Henryk A., to Universal Oil Products Co. Plastics stabilized with metal salts of Schiff bases. 3,364,173, 1–16–68, Cl. 260—45.75.

Cyba, Henryk A., to Universal Oil Products Co. Hydrazides of halo substituted polyhydroalkanonaphthalenedicarboxylic acids. 3,364,217, 1–16–68, Cl. 260—250.

Cyba, Henryk A., to Universal Oil Products Co. Polyhydroxyalkylpolyamines. 3,364,262, 1–16–68, Cl. 260—563.

Cyba, Henryk A., to Universal Oil Products Co. Stabilization of organic substances by addition reaction product of phosphorus acid ester with polymer of polycarboxylic acid and alkanolamine. 3,371,039, 2–27–68, Cl. 252—32.7.

Cyba, Henryk A., to Universal Oil Products Co. Alkylphenol-alkylenepolyamine stabilizing composition. 3,371,048, 2–27–68, Cl. 252—403.

Cyba, Henryk A., to Universal Oil Products Co. N-aminoimides of halo-substituted polyhydromethanonaphthalenedicarboxylic acids. 3,371,097, 2–27–68, Cl. 260—326.

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Cyba, Henryk A., to Universal Oil Products Co. Phosphate salt of reaction product of dicarboxylic acid, anhydride or ester and alkanolamine. 3,388,191, 6–11–68, Cl. 260—925.

Cyba, Henryk A., to Universal Oil Products Co. Boron acid ester of phenone. 3,396,186, 8–6–68, Cl. 260—462.

Cyba, Henry A., to Universal Oil Products Co. Hydrocarbon oils containing alkylthiophosphoric acid salts of polymeric condensation products. 3,397,144, 8–13–68, Cl. 252—32.7.

Cyba, Henryk A., to Universal Oil Products Co. Mixed chelates of a schiff base, an amine, and a transition series metal. 3,398,170, 8–20–68, Cl. 260—439.

Cyba, Henryk A., to Universal Oil Products Co. Alpha-substituted phosphatyl or thiophosphatyl haloketone, ketal or thioketal derivatives thereof. 3,413,381, 11–26–68, Cl. 260—929.

Cyba, Henryk A., and R. H. Rosenwald, to Universal Oil Products Co. Plastics stabilized by a metal salt of a Schiff base. 3,361,711, 1–2–68, Cl. 260—45.75.

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Cywinski, Norbert F., to Phillips Petroleum Co. Vinylation of organic compounds. 3,372,198, 3–5–68, Cl. 260—597.

Czajkowski, Norman, and C. J. Sewell, to United States of America, Navy. Pressure operated arming mechanism. 3,362,333, 1–9–68, Cl. 102—81.

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Czarnecki, Adolph, to Standard Alliance Industries, Inc. Power-and-free conveyor system. 3,415,201, 12–10–68, Cl. 104—178.

Czarnecki, Adolph, to Standard Alliance Industries, Inc. Automatic frame stack transfer device. 3,417,885, 12–24–68, Cl. 214—95.

Czarnecki, Adolph, and S. M. Aksamit, to Anchor Steel & Conveyor Co. Work transfer apparatus. 3,370,723, 2–27–68, Cl. 214—91.

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Czernobil, Eugene, to Advance Transformer Co. Laminated core with a terminal connector and retainer means. 3,387,-6–4–68, Cl. 336—192.

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Daane, Robert A., to Beloit Corp. Dryer ventilation. 3,376,653, 4–9–68, Cl. 34—23.

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Daansen, Warren S., to General Motors Corp. Venturi washer. 3,403,859, 10–1–68, Cl. 239—284.

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Daendliker, Gustav, to Ciba Ltd. Process for the preparation of mixed oxides. 3,413,083, 11–26–68, Cl. 23—24.
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Dahl, Frark L. Adjustable trouble lamp means. 3,393,311, 7–16–68, Cl. 240—10.6.
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Dahlgren, Jons A., to Alfa-Laval AB. Control of nuclear power reactor. 3,373,082. 3–12–68, Cl. 176—28.
Dahlgren, Victor F., S. K. Tally, and T. H. Stearns, to Electro-Mechanisms, Inc. Stacked printed circuit board. 3,409,732, 11–5–68, Cl. 174—68.5.
Dahlgren, Wallace L. Animal trap. 3,416,257, 12–17–68, Cl. 43—87.
Dahlin, Rolf B., to Citograf Aktiebolag. Driving mechanisms particularly for motor-driven address printing and like machines. 3,380,562, 4–30–68, Cl. 192—8.
Dahlke, Calvin W., and W. Pettis, to United States of America, Army. Fin for inducing spin in rotating rockets. 3,390,-850, 7–2–68, Cl. 244—3.23.
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Dale, Vernon F. Target trap with friction-reducing target holder. 3.368,542, 2–13–68, Cl. 124—8.

Dale, Walter, to General Motors Corp. Closure latch. 3,388,-940, 6–18–68, Cl. 292—216.

D'Alelio, Gaetano F., to Dal Mon Research Co. Propellant composition containing organic boron polymers. 3,362,860, 1–9–68, Cl. 149—19.

D'Alelio, Gaetano F., to Dal Mon Research Co. Crosslinked insoluble copolymers and process of preparation from linear soluble polymers. 3,364,282, 1–16–68, Cl. 260—881.

D'Alelio, Gaetano F., to E. I. du Pont de Nemours and Co. Aluminum hydrocarbon polymers. 3,375,235, 3–26–68, Cl. 260—80.

D'Alelio, Gaetano F., 25% to W. J. Monacelli. Acrylonitrile polymerization in the presence of ion-exchange resin having —SO_3H groups. 3,395,133, 7–30–68, Cl. 260—88.7.

D'Alelio, Gaetano F., 75% to G. F. D'Alelio, and 25% to W. J. Monacelli. Chelating polymers and method of preparation. 3,395,134, 7–30–68, Cl. 260—89.5.

D'Alelio, Gaetano F., 25% to W. J. Monacelli. Grafted chelating polymers containing aminoacetic derivatives. 3,395,197, 7–30–68, Cl. 260—857.

D'Alelio, Gaetano F., to Dal Mon Research Co. Process for preparing polymers of ethylenic boron and ethylenic aluminum compounds. 3,399,175, 8–27–68, Cl. 260—80.

D'Alelio, Gaetano F., 75% to said D'Alelio and 25% to W. J. Monacelli. Chelating resins from epoxyalkyl acrylate polymers. 3,414,550, 12–3–68, Cl. 260—86.7.

Dales, Franklin, Co., The: *See*—
Dales, George F. 3,378,660.

Dales, George F., to The Franklin Dales Co. Thermostat. 3,378,660, 4–16–68, Cl. 200—138.

D'Alessandro, Alfred F.: *See*—
Juda, Walter, Novack, Fowle, and D'Alessandro. 8,407,-095.

D'Alessandro, William J., to Union Carbide Corp. Foaming phenol-formaldehyde resins with fluorocarbons. 3,389,094, 6–18–68, Cl. 260—2.5.

D'Alessandro, William J., to Union Carbide Corp. Abrasive wheels comprising a novolak resin and a thermoplastic polyhydroxyether. 3,406,020, 10–15–68, Cl. 51—298.

D'Alessio, Theresa H. Book mailing wrapper. 3,380,644, 4–30–68, Cl. 229—40.

Daley, Eugene J., to Cincinnati Printing and Drying Systems. Method and apparatus for drying printed silk screened articles. 3,411,217, 11–19–68, Cl. 34—13.

Daley, Roger J., and W. W. Herderhorst, to Tokheim Corp. Thrust bearing and seal assembly. 3,405,295, 10–8–68, Cl. 310—104.

Daley, Roger J., and W. W. Herderhorst, to Tokheim Corp. Cold-start shaft bearing. 3,416,847, 12–17–68, Cl. 308—37.

Daley, Thomas J., F. E. Mindt, and F. G. Kuhn, to Westinghouse Electric Corp. Watthour meters having dust-proof casings. 3,418,552, 11–26–68, Cl. 324—156.

Daiglish, Herbert F. Differential unwind or rewind apparatus. 3,391,876, 7–9–68, Cl. 242—56.9.

Dalhamn, Tore, to P. Lorillard Co. Tobacco having an oxadiazole additive. 3,410,277, 11–12–68, Cl. 131—17.

Dalibor, Horst, to Reichhold Chemicals, Inc. Process for the preparation of modified alkyd resin and resulting product. 3,390,110, 6–25–68, Cl. 260—20.

Dalik, Herbert A., to The Flintkote Co. Automatic feeding and discharging system for machine tools. 3,400,887, 9–10–68, Cl. 214—1.

Dalin David. Heat exchanger with improved extended surface. 3,385,356, 5–28–68, Cl. 165—146.

Dalin, David. Method of making heat exchanger having extended surface. 3,397,440, 8–20–68. Cl. 29—157.3.

Dalla Bona, Hans. Dental phosthesis. 3,372,483, 3–12–68, Cl. 32—5.

Dallaflor, Ernest P.: *See*—
Hankin, Robert B., Dallaflor, and Alpiner. 3,388,282.

Dallaire, Raymond, to P. H. Plastics Inc. Window. 3,383,801, 5–21–68, Cl. 49—458.

Dallape, Fred, and K. McKibben, to General Motors Corp. Material handling device. 3,367,517, 2–6–68, Cl. 214—1.

Dall'Asta, Gino: *See*—
Natta, Giulio, Dall'Asta, Mazzanti, Pasquon, Valvassori, and Zambelli. 3,385,840.
Natta, Giulio, Dall'Asta, Mazzanti, Pasquon, Valvassori, and Zambelli. 3,403,139.
Natta, Giulio, Mazzanti, and Dall'Asta. 3,419,538.

Dallen, John A., to The Standard Products Co. Resilient corner gasket. 3,416,279, 12–17–68, Cl. 52—400.

Dalley, James E., to Bell Telephone Laboratories, Inc. Microwave directional coupler having ohmically joined output ports D.C. isolated from ohmically joined input and terminated ports. 3,381,244, 4–30–68, Cl. 333—10.

Dall'Oglio, Aldo W.: *See*—
Stockli, Johann, and Dall'Oglio. 3,374,820.

Dally, Don I.: *See*—
Kozdemba, Stanley E., Soukup, and Dally. 3,389,117.

Dally, Roy: *See*—
Kingsbury, L C James, and Dally. 3,386,744.

Dally, Roy, to General Electric Co. Tone arm and cartridge combination. 3,387,849, 6–11–68, Cl. 274—24.

Dal Mon Research Co.: *See*—
D'Alelio, Gaetano F. 3,362,860.
D'Alelio, Gaetano F. 3,364,282.
D'Alelio, Gaetano F. 3,399,175.

Dal Monte, Giorgio, and L. Callegari, to Societa Italiana Telecomunicazioni Siemens S.p.A. Small size calling dial to be used with handheld telephone sets and the like. 3,391,245, 7–2–68, Cl. 179—90.

Dal Monte, Giorgio, and P. Postorino, to Societa Italiana Telecomunicazioni Siemens S.p.A. Telephone substation miniaturization circuit. 3,404,238, 10–1–68, Cl. 179—81.

D'Alo', Bruno: *See*—
Ciceri, Luigi, D'Alo', Moruzzi, and Nicotra. 3,382,307.

Dalphond, George A.: *See*—
Crockett, Garold D., and Dalphond. 3,395,521.

Dalrymple, Donald D.: *See*—
Woodbridge, James O., Spencer, and Dalrymple. 3,377,214.

Dalter, Raymond S.: *See*—
Hechenbleikner, Ingenuin, Dalter, and Hussar. 3,396,185.
Hechenbleikner, Ingenuin, Dalter, and Hussar. 3,413,264.

Dalto-Electronics Corp.: *See*—
Davidoff, Dorsey. 3,373,506.

Dalton, Edward: *See*—
Mazzarella, Emil D., and Dalton. Re. 26,510.

Dalton, Edward K., to Astrodata, Inc. Phase detector output smoothing network. 3,399,352, 8–27–68, Cl. 329—122.

Dalton, Edward K., to Astrodata, Inc. System for detection and reconstruction of binary data transmitted at rates up to and exceeding the Nyquist rate. 3,409,833, 11–5–68, Cl. 325—321.

Dalton, Gerald, 50% to R. F. Wilson. Paint roller cleaning apparatus. 3,373,456. 3–19–68, Cl. 15—1.

Dalton, Gerald J. Eraser cleaner. 3,395,413, 8–6–68, Cl. 15—4.

Dalton, John F., to N. W. Controls, Inc. Flexible drive shaft coupling assembly. 3,372,560, 3–12–68, Cl. 64—4.

Dalton, John F., to Mohawk Data Sciences Corp. Print hammer assembly employing two-piece hammers. 3,386,377, 6–4–68, Cl. 101—93.

Dalton, John V.: *See*—
Crowell, Merton H., Dalton, Gordon, and Labuda. 3,419,-746.

Dalton, Oliver, and R. G. Rollman, to Tektronix, Inc. Ramp generator employing comparator circuit for maintaining constant starting voltage for different timing resistors. Re. 26,333, 1–9–68, Cl. 328—182.

Dalton, Philip B., and M. R. Leibowitz, to GAF Corp. Dyeing of polymeric articles treated with a graft copolymer of an N-vinyl lactam polymer. 3,402,987, 9–24–68, Cl. 8—31.

Dalton, Robert F., and E. J. Barnett, to Westinghouse Electric Corp. Range apparatus trim. 3,418,780, 12–31–68, Cl. 52—627.

Dalton, Robert H., and F. W. Martin, to Corning Glass Works. Radiation-resistant metal sealing glass. 3,369,961, 2–20–68, Cl. 161—196.

Dalton, Thomas B., to Westran Corp. Power package for semitrailer support. 3,402,915, 9–24–68, Cl. 254—86.

D'Altrui, Thomas N., to Midland Machinery Co. Cantilever storage rack. 3,371,798, 3–5–68, Cl. 211—182.

Daly, David A., R. G. Lucas, and J. D. Pfeiffer, to Beloit Eastern Corp. Rewinder for paper and the like. 3,383,064, 5–14–68, Cl. 242—56.2.

Daly, David A., and H. R. Patterson, Jr., to Beloit Corp. Paper guide and drive roll assemblies. 3,405,855, 10–15–68, Cl. 226—1.

Daly, Donald H., to Maul Bros., Inc. Apparatus for molding glass. 3,374,079. 3–19–68, Cl. 65—232.

Daly, Edgar F., and T. J. Dean, to Unicam Instruments Ltd. Cryogenic apparatus. 3,368,360, 2–13–68, Cl. 62—6.

Daly, Edmund B., and V. K. Rice, Jr., to Automatic Electric Laboratories, Inc. Two-input pulse shaping transistor circuit. 3,419,734, 12–31–68, Cl. 307—268.

Daly, Edwin A., to Walcon Corp. Building siding. 3,362,125, 1–9–68, Cl. 52—542.

Daly, James U., and G. P. Saliaris, to Ranco Inc. Valve regulator mechanism. 3,371,864, 3–5–68, Cl. 236—86.

Daly, Richard H., to United States of America, Army. Ultra high input impedance circuit. 3,363,192, 1–9–68, Cl. 330—69.

Daly, Richard T.: *See*—
Sims, Stuart D., and Daly. 3,398,379.

Daly, William J. Trellis structure. 3,391,491, 7–9–68, Cl. 47—46.

Daly, William P.: *See*—
Ellis, David T., and Daly. 3,402,264.
Granville, Charles N., Daly, and Pouliot. 3,400,420.

Dalziel, Darrel R. Portable, convertible chair and lounge. 3,379,471, 4–23–68, Cl. 297—92.

Daman, Arthur C., to Denver Equipment Co. Mixing apparatus. 3,365,177, 1–23–68, Cl. 259—23.

Daman, Arthur C., to Denver Equipment Co. Portable ore milling plant. 3,402,896, 9–24–68, Cl. 241—38.

Daman, Arthur C., Jr.: *See*—
Logue, Leland H., and Daman. 3,393,802.

Daman, Arthur C., Jr., and W. T. Ahlborg, to Denver Equipment Co. Aerating assembly for froth flotation cells. 3,393,-803, 7–23–68, Cl. 209—169.

Daman, Ernest L., G. C. Whitney, Jr., and J. L. Clark. Slurry burner. 3,393,650, 7-23-68, Cl. 110—7.

Daman, Louis F.: *See*—
La Police, George D., and Daman. 3,382,830.

D'Amaro, C. John. Slip-in closure and cigarette holder for tab-opening beer cans. 3,364,937, 1-23-68, Cl. 131—257.

D'Amato, Michael A., to Delavan Mfg. Co. Closed circuit fluid, motor, pump and reservoir system and transmission valve therefor. 3,380,248, 4-30-68, Cl. 60—53.

D'Ambrosio, Michael A., to United Aircraft Corp. Pressure ratio transducer. 3,397,580, 8-20-68, Cl. 73—407.

Dame, Stanley P., to Thompson Mfg. Co., Inc. Apparatus for folding and stacking flexible material. 3,405,932, 10-15-68, Cl. 270—68.

Dameral, Ray C., to Herst Light Corp., dba. Peerless Electric Co. Indirect lighting fixture providing a uniform light distribution. 3,364,348, 1-16-68, Cl. 240—51.11.

Damerau, Edward A., to Radio Corp. of America. Punched card reader with registration indicating means. 3,373,264, 3-12-68, Cl. 235—61.11.

Dames, Ralph T.: *See*—
Palevsky, Max, Levine, and Damas. 3,406,379.

Damesin, Francois: *See*—
Menegoz, Charles D., Damesin, and Socquet. 3,372,223.

Damia, Emil: *See*
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Turner, Lloyd S. 3,390,480.

Damiano, Joseph N., to Sperry Rand Corp. Contact spring. 3,371,152, 2-27-68, Cl. 174—94.

Damiano, Ralph R., to Hubbell, Harvey, Inc. Pressure pad type wiring terminal. 3,408,620, 10-29-68, Cl. 339—272.

D'Amico, John J.: *See*—
Harmon, Marion W. and D'Amico. 3,382,144.
Webster, Sidney T., and D'Amico. 3,400,133.

D'Amico, John J., to Monstanto Co. Preparation of benzothiazolyl dithio carbamates. 3,361,752, 1-2-68, Cl. 260—293.4.

D'Amico, John J., to Monsanto Co. Accelerating vulcanization of rubber with (azabicyclononylthio) azoles. 3,371,074, 2-27-68, Cl. 260—79.5.

D'Amico, John J., to Monsanto Co. Polymethylene 2-benzothiazolyl carbodithioates. 3,372,150, 3-5-68, Cl. 260—79.5.

D'Amico, John J., to Monsanto Co. Vulcanization accelerators. 3,379,700, 4-23-68, Cl. 260—79.5.

D'Amico, John J., to Monsanto Co. N,N'polythio polymethylenimines. 3,394,126, 7-23-68, Cl. 260—239.

D'Amico, John J., and A. G. Weiss, to Monsanto Co. Method of controlling undesired vegetation with polychlorophenyl N-allyl-N-cyclohexylcarbamates. 3,388,991, 6-18-68, Cl. 71—106.

D'Amico, John J., and S. T. Webster, to Monsanto Co. 4-[p-(substituted amino) phenyl] morpholines. 3,392,170, 7-9-68, Cl. 260—247.5.

Damm, Daniel A., and D. E. Powell, to Owens-Illinois, Inc. Apparatus for applying bonding material between implosion band and glass for cathode ray tubes. 3,403,658, 10-1-68, Cl. 118—6.

Damm, Klaus: *See*—
Golitz, Hans D., Damm, and Noll. 3,364,160.
Sattlegger, Hans, Noll, Damm, and Golitz. 3,378,520.

Damm, Klaus, H. Steinbach, and W. Noll, to Farbenfabriken Bayer Aktiengesellschaft. Organosiloxane-polyether urethane emulsifiers. 3,398,172, 8-20-68, Cl. 260—448.2.

Dammann, Wilbur A. Electronic ignition system. 3,415,234, 12-10-68, Cl. 123—148.

Dammicci, James: *See*—
Millson, Henry E., and Dammicci. 3,377,130.

Damon Engineering, Inc.: *See*—
Hurtig, Carl R. 3,374,448.
Hurtig, Carl R. 3,382,463.

Damon, Leon B. Hedge trimmer. 3,417,470, 12-24-68, Cl. 30—276.

Damon, Phillip P., to Hughes Aircraft Co. Direct-viewing color display storage device. 3,406,310, 10-15-68, Cl. 315—12.

Damrel, Robert L., to Haskon, Inc. Liquid dispenser. 3,405,848, 10-15-68, Cl. 222—481.5.

Damsz, George J., to North American Philips Co., Inc. Apparatus for supplying liquid to an upside-down dewar in a closed loop cooling system. 3,362,176, 1-9-68, Cl. 62—45.

Damusis, Adolfas, to Wyandotte Chemicals Corp. Low modulus NCO-terminated urethane compositions. 3,386,962, 6-4-68, Cl. 260—77.5.

Damy, Eduardo M. Hopper car door actuating mechanism. 3,364,876, 1-23-68, Cl. 105—249.

Dan River Mills, Inc.: *See*—
Canter, William B., and Suiter. 3,402,989.
Pangle, James C., Jr. 3,419,493.

Dana, C. H., Co. Inc.: *See*—
Nichols, Harley E., Jr. 3,388,492.

Dana Corp.: *See*—
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Haines, Charles W. 3,400,558.
Marie, Robert. 3,410,361.
Mazziotti, Philip J. 3,365,971.
Mazziotti, Philip J. 3,365,986.
Miller, Fred F., Jr. 3,369,378.
Reed, George R. 3,414,096.
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Tabbert, Gene H. 3,407,592.
Wojcikowski, Richard J. 3,361,009.

Dana Laboratories, Inc.: *See*—
Gillette, Garry C., Nelson, and Walker. 3,382,451.

Danal Jewelry Co.: *See*—
Triangolo, Daniel A. 3,413,986.

Danavox International A/S: *See*—
Rosenstand, Gerd. 3,366,197.
Rosenstand, Gerd. 3,375,407.

Danby, Gordon T., and J. W. Jackson, to United States of America, Atomic Energy Commission. Quadrupole magnet with reduced field distortion. 3,393,385, 7-16-68, Cl. 335—210.

D'Anciceo, Victor V.: *See*—
Cordier, David E., D'Anciceo, and Kolakowski. 3,375,224.

Dancik, Paul J., to The Boeing Co. Aircraft blade folding mechanism. 3,369,610, 2-20-68, Cl. 170—135.25.

Danckaert, Valere F.: *See*—
Verbrugghe, Marcel H., De Cat, and Danckaert. 3,393,040.

Dancsik, Joseph J. Three dimensional milling machine with pantograph control. 3,417,661, 12-24-68, Cl. 90—13.1.

Dancy, William B., to International Minerals & Chemical Corp. Production of potassium sulfate. 3,395,980, 8-6-68, Cl. 23—121.

Dancygier, Chil. Device for mechanically forming a knitted border. 3,406,540, 10-22-68, Cl. 66—85.

D'Andrea, Felix V., and L. Minjolle, to Commissariat a l'Energie Atomique. Device for automatically feeding blowpipes employing rods. 3,363,780, 1-16-68, Cl. 214—1.5.

D'Andrea, Giuliano, to United States of America, Army. Short recoil breech actuating mechanism. 3,362,292, 1-9-68, Cl. 89—24.

D'Andrea, Giuliano, to United States of America, Army. Compact constant pressure lubricator for the 20 mm. HS 820 gun system. 3,383,984, 5-21-68, Cl. 89—1.

Dandridge, Gerald W., to Beatrice Foods Co. Hydraulic safety system and device. 3,407,843, 10-29-68, Cl. 137—563.

Dane, Oscar: *See*—
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Danemark, Marius: *See*—
Cathrein, Rene, and Danemark. 3,380,814.

Danemark, Marius, R. Cathrein, and A. Y. Simonian, to Sel-Rex Corp. Electrolyte and method for electrodepositing a pink gold alloy. 3,380,898, 4-30-68, Cl. 204—44.

Danesi, Paul P., to Cable Electric Products, Inc. Female molded-on electrical connector. 3,388,976, 6-18-68, Cl. 29—193.

Danfoss A/S: *See*—
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Christiansen, Erik F. 3,396,447.
Enemark, Arne F., Valbjorn, and Larsen. 3,400,885.
Jensen, Arne. 3,378,733.
Jensen, Arne. 3,382,418.
Jensen, Arne. 3,395,446.
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Johansson, Gustav A. 3,370,759.
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Valbjorn, Knud V. 3,396,907.
Vind, Holger V. 3,396,908.
Waldorff, Jorgen F. 3,379,134.
Waldorff, Jorgen F. 3,396,668.

Dangauthier, Marcel, to Societe Industrielle et Commerciale des Automobiles Peugeot. Seat unit. 3,368,840, 2-13-68, Cl. 296—65.

Dangauthier, Marcel, to La Publicite Francaise. Device correcting the amount of fuel injected into an internal combustion engine. 3,384,060, 5-21-68, Cl. 123—139.

Dangauthier, Marcel, to La Publicite Francaise. Control device for an automobile gear-box. 3,417,634, 12-24-68, Cl. 74—473.

Dangauthier, Marcel, to Societe Industrielle et Commerciale des Automobiles Peugeot. Fluid distributor. 3,418,885, 12-31-68, Cl. 91—380.

Dangel, Stephen C., and G. B. Meacham. Picker drive mechanism. 3,414,023, 12-3-68, Cl. 139—145.

D'Angelo, Anthony J.: *See*—
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D'Angelo, Samuel A., to Mercury Aircraft Inc. TV picture tube and mounting frame assembly. 3,412,203, 11-19-68, Cl. 178—7.82.

Dangler, Robert L.: *See*—
Bremer, Roger E., and Dangler. 3,368,640.

Danhel, Antonin: *See*—
Kramolis, Vladislav, Danhel, Rataj, and Kochta. 3,418,696.
Vajda, Andrej, Danhel, and Tochacek. 3,377,821.

Danico, Henry F., to United-Carr Inc. Two component ventilator. 3,418,658, 12-31-68, Cl. 2—14.

Daniel, Charles E.: *See*—
Lacey, Byron. 3,406,774.

Daniel, Don H.: *See*—
Jackson, H. T. 3,411,152.

Daniel, Harold C., and W. F. Southard, to Mechanical Concepts, Inc. Feeding device for animal cages. 3,361,116. 1-2-68, Cl. 119—63.

Daniel, James W., Jr., to Radio Corp. of America. AGC for broadband parametric amplifier. 3,388,263, 6-11-68, Cl. 307—88.3.

Daniel, James W., Jr., to Radio Corp. of America. Vehicle identifier system. 3,399,405, 8-27-68, Cl. 343—6.5.

Daniel, Leonard I., to Johns-Manville Corp. Method and apparatus for use in the manufacture of asbestos-cement articles. 3,368,011, 2-6-68, Cl. 264—72.

Daniel, Peggy J. Portable cot. 3,386,111, 6–4–68, Cl. 5—81.
Daniel, Wilbur L., to Dresser Industries, Inc. Method and apparatus for moving wire-line tools through deviated well bores. 3,401,749, 9–17–68, Cl. 166—46.
Daniel, William H. Convertible pump. 3,397,647, 8–20–68, Cl. 103—218.
Daniel Woodhead Co.: *See*—
Kramer, David E. 3,390,871.
Daniele, Donald T., to Diamond International Corp. Cam driven follower assembly. 3,364,756, 1–23–68, Cl. 74—55.
Daniele, Messa, to Mes Dan Annodatori Tessili di Pietro Messa. Apparatus for knotting threads with the so-called weaver's knot. 3,400,960, 9–10–68, Cl. 289—3.
Danieli, Sten H.: *See*—
Sodergard, Bengt M., and Danieli. 3,404,582.
Danielisz, Miklos, M. Dohr, and J. Galinke, to Lord Corp. Hardenable compositions of hardenable epoxy compounds, processes of hardening and hardened epoxy resins. 3,388,-105, 6–11–68, Cl. 260—78.4.
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Daniels, Charles J., to United States of America, Air Force. Nonreversible shock strut. 3,412,828, 11–26–68, Cl. 188—129.
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Bell, J. Harold, and Daniels. 3,400,492.
Daniels, Frank J.: *See*—
Lipfert, Donald E., Daniels, and Goldschmidt. 3,419,176.
Daniels, Frank J., and L. C. Creith, to Olin Mathieson Chemical Corp. Seal for floating deck. 3,372,831, 3–12–68, Cl. 220—26.
Daniels, Franklin W., and E. A. Barlow, to General Electric Co. Method of extruding capacitor cases. 3,415,098, 12–10–68, Cl. 72—267.
Daniels, Harry J.: *See*—
Borelli, Michael T., Daniels, and Hosenthien. 3,375,451.
Daniels, Henricus P. C., to North American Philips Co., Inc. Method and device for ultrasonic welding. 3,380,150, 4–30–68, Cl. 29—470.1.
Daniels, Henricus P. C. Device for ultrasonic welding of the kind comprising a convertor and an amplitude transformer. 3,389,845, 6–25–68, Cl. 228—1.
Daniels, Henricus P. C., and F. M. A. Rademakers, to North American Philips Co. Inc. Detachable ball-shaped ultrasonic welding tip. 3,365,349, 1–23–68, Cl. 156—580.
Daniels, James H.: *See*—
Pisano, Frank T., and Daniels. 3,388,879.
Daniels, James W. Variable axis center wheel. 3,371,944, 3–5–68, Cl. 280—229.
Daniels, Peter, to United States of America, Navy. Technique to impede catastrophic yaw and magnus instability. 3,392,-934, 7–16–68, Cl. 244—3.23.
Daniels, Robert R.: *See*—
Chapman, Richard A., Daniels, and Fox. 3,363,834.
Daniels, T. H. & J., Ltd.: *See*—
Gardner, Herbert M. 3,391,425.
Daniels, Wiley E., to General Aniline & Film Corp. Cobaltous halide-2-butyne-1,4-diol complexes. 3,364,243, 1–16–68, Cl. 260—439.
Daniels, Wiley E., to General Aniline Film Corp. Poly(2-butynediol-1,4). 3,395,135, 7–30–68, Cl. 260—91.3.
Daniels, William A., and William A. Daniels, Jr. Bathtub lift. 3,381,317, 5–7–68, Cl. 4—185.
Daniels, William A. and W. A. Daniels, Jr. Bath lift control valve. 3,419,044, 12–31–68, Cl. 137—625.69.
Daniels, William A., Jr.: *See*—
Daniels, William A. and W. A. Daniels, Jr. 3,381,317.
Daniels, William R.: *See*—
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Danielsen, Berne E.: *See*—
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Ryan, John W., MacMeekin, and Danielsen. 3,407,532.
Danielson, Alton J., and H. A. Berg, to Minnesota Mining and Mfg. Co. Adhesive bonding method permitting precise positioning. 3,413,168, 11–26–68, Cl. 156—71.
Danielson, Arthur C., to Uniroyal, Inc. Adhering textile materials to rubber. 3,364,100, 1–16–68, Cl. 161—241.
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Danilewicz, Ludomir and L. S., to Plessey-Uk Ltd. Electromagnetic stepping device. 3,391,289, 7–2–68, Cl. 310—37.
Daniluk, Jerzy, to Ford Motor Co. Tilt cab latch mechanism. 3,400,970, 9–10–68, Cl. 296—35.
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Schumann, Kurt E. 3,398,693.
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Dankert, Norman H. Speed controlled signal system for depicting driver's action. 3,364,384, 1–16–68, Cl. 315—79.
Danko, Arthur J.: *See*—
Kenney, Mahlon W., Weathersby, and Danko. 3,389,948.
Danko, Richard A.: *See*—
Griffith, Herald E., and Danko. 3,406,856.
Griffith, Herald E., and Danko. 3,407,079.
Dankowski, Gerhard. Pulley and bearing assembly. 3,367,-199, 2–6–68, Cl. 74—230.3.
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Ritzau, William P., and Danks. 3,380,107.
Danly, Donald E.: *See*—
Brubaker, David W., Danly, and Maloney. 3,402,112.
Danly Machine Corp.: *See*—
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Dann, Bert H., to Bell & Howell Co. Period modulation multivibrator circuit. 3,371,288, 2–27–68, Cl. 332—14.
Dann, Bert H., to Bell & Howell Co. Demodulator circuit for angle-modulation systems. 3,387,219, 6–4–68, Cl. 329—50.
Dann, Murray: *See*—
Lefemine, Donald, Dann, Thomas, and De Voe. 3,377,242.
Dann, Otto. Novel 2-phenyl-thianaphthene-diamidines. 3,388,-135, 6–11–68, Cl. 260—330.5.
Danna, Gary S.: *See*—
Conner, Charles J., and Danna. 3,394,027.
Dannatt, Hugh St. L., to Sperry Rand Corp. Pneumatic sensing device. 3,405,254, 10–8–68, Cl. 235—61.11.
Dannatt, Hugh St. L., and J. R. Fuld, to Sperry Rand Corp. Ribbon packaging device. 3,386,556, 6–4–68, Cl. 197—151.
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Dannenberg, Eli M.: *See*—
Rossman, Raymond P., Jordan, and Dannenberg. 3,379,-673.
Danner, Georges. Electric fuel cells having corrugated separating means. 3,394,032, 7–23–68, Cl. 136—86.
Dannes, Dennie, to Burndy Corp. Electrical connector with conductor retainers. 3,408,455, 10–29–68, Cl. 174—94.
Dannettell, Alan C., to Eaton Yale & Towne Inc. Safety control circuit for an electric truck. 3,414,074, 12–3–68, Cl. 180—101.
Dannhardt, Harry C., and J. E. Eliades, to Chandler Machine Co. Button feeding machines. 3,381,827, 5–7–68, Cl. 214—1.
Dannohl, Walter, and J. Nixdorf, to Federal Republic of Germany, Secretary of Defense. Method of making glass or ceramic wires. 3,362,803, 1–9–68, Cl. 65—13.
Danon, David, to Yeda Research and Development Co. Ltd. Method and apparatus for controlled deposition of a thin conductive layer. 3,374,112, 3–19–68, Cl. 117—226.
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Weiss, Hans R. 3,416,815.
Danti, Bernard R., to Polaroid Corp. Photographic product. 3,386,361. 6–4–68, Cl. 95—13.
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Dantino, Angelo, and D. D'Antimo to T. A. Buscaglia Equipment Co., Inc. Store display racks-supplemental beds. 3,385,452, 5–28–68, Cl. 211—175.
Dantino, Angelo F., and K. J. Martiner, to T. A. Buscaglia Equipment Co., Inc. Adjustable display rack. 3,385,453, 5–28–68. Cl. 211—175.
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Harrison, John W., Holmes, and Dantowitz. 3,392,058.
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Danuser, Walter W. 3,397,521.
Danuser, Walter W., to Danuser Machine Works, Inc. Rotatable double-headed lawnmower. 3,397,521, 8–20–68, Cl. 56—25.4.
Danvic, Joseph A., and P. B. Lewis, to Bailey Meter Co. Differential pressure transmitter. 3,411,363, 11–19–68, Cl. 73—407.
Danylchuk, Irynej, to Bell Telephone Laboratories, Inc. Magnetic memory sheet. 3,376,561, 4–2–68, Cl. 340—174.
Danzer Metal Works Co., Inc., The: *See*—
Merckle, Claude O. 3,370,121.
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Dapper, James C., and F. L. Wedig, to Avco Corp. Pulse amplitude difference integrator. 3,411,018, 11–12–68, Cl. 307—235.
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Darby, Robert A., to E. I. du Pont de Nemours and Co. Perfluorocyclic ether polymers. 3,418,302, 12–24–68, Cl. 260—87.5.
Darby, Vene L., and E. E. Hatter, to Hi-Shear Corp. Blind nut assembly joint. 3,369,442, 2–20–68, Cl. 85—70.
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Hawgood, John, and Armstrong. 3,403,807.

Darcy, Jules: *See—*
Stewart, Raymond A., Darcy, and McLeod. 3,409,604.
Darda, Helmut. Hydraulically actuated tool for the mechanical breaking of rocks by means of a wedge slidable through insert pieces. 3,414,328, 12–3–68, Cl. 299—22.
Dardaine, Edgar J. M., and J.-L. Berry, to E. P. Remy & Cie. Device for metering liquid or semi-fluid products and apparatus incorporating the same. 3,400,739, 9–10–68, Cl. 141—146.
Dardaine, Edgar J. M., and J.-L. Berry, to E. P. Remey et cie. Machine for automatically packing things in overlying tiers. 3,416,675, 12–17–68, Cl. 214—16.4.
Dardani, Humbert M., and J. R. Sloan, to MPB, Inc. Interference connection. 3,365,256, 1–23–68, Cl. 308—236.
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Dardoufas, Kimon C.: *See—*
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Dargier de Saint Vaulry, Jean, to Paulstra. Devices for fixing railroad rails to their sleepers. 3,417,922, 12–24–68, Cl. 238—292.
Darin, Pio W. Aileron control for model airplanes. 3,391,484, 7–9–68, Cl. 46—77.
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Daringer, Ronald G., and J. S. Willey, to Cambridge Wire Cloth Company. Flat wire basket and method of making the same. 3,410,546, 11–12–68, Cl. 263—47.
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Darke, James A., to Associated Electrical Industries Ltd. Circuit arrangements for detecting phase unbalance. 3,401,308, 9–10–68, Cl. 317—47.
Darling, Horace E., to The Foxboro Co. Industrial process signal-translating apparatus including conversion elements and cascaded magnetic amplifiers. 3,392,323, 7–9–68, Cl. 321—16.
Darling, Marvin C., to The Cessna Aircraft Co. Cushion stop for hydraulic actuators. 3,396,635, 8–13–68, Cl. 91—396.
Darlington, Harold T. Insulating structure. 3,367,527, 2–6–68, Cl. 220—9.
Darlington, Sidney, to Bell Telephone Laboratories, Inc. Controlled sideband modulator. 3,381,243, 4–30–68, Cl. 332—45.
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Darm, William J. Heat exchanger with thermosensitive control. 3,383,040, 5–14–68, Cl. 236—18.
Darnell, Donald E., to Power Components, Inc. Parts lifting equipment for die press. 3,400,593, 9–10–68, Cl. 74—29.
Darnell, James R., and D. A. Tarver, to Texas Instrument Inc. Process for adherently depositing a metal carbide on a metal substrate. 3,368,914, 2–13–68, Cl. 117—71.
Darnell, William J. Shock absorber. 3,404,877, 10–8–68, Cl. 267—1.
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Voice, Stanley M. 3,395,470.
Da Rold, James J., and R. F. Trevisin, to American Bosch Arma Corp. Object detector and control system employing same. 3,370,166, 2–20–68, Cl. 246—182.
Da Rooge, Margaret A., and L. R. Mahoney, to Ford Motor Co. Quinol ether as antioxidant. 3,406,218, 10–15–68, Cl. 260—666.5.
Darot, Alice, to Produits de Beaute-Parfums Jean d'Aveze. Powder container. 3,389,847, 6–25–68, Cl. 229—9.
Darragh, Richard T., and K. W. Nelson, to The Procter & Gamble Co. All-purpose shortening composition. 3,397,996, 8–20–68, Cl. 99—118.
Darre, Allan, O. Kneisel, and H. Honold, to Siemens & Halske Aktiengesellschaft. Time multiplex telephone system. 3,366,743, 1–30–68, Cl. 179—18.
Darrow, Arnold. Lined concrete pipe. 3,381,718, 5–7–68, Cl. 138—141.
Darrow, Kenneth A., to General Electric Co. Bonding diamond to molybdenum. 3,377,696, 4–16–68, Cl. 29—472.9.
Darrow, Kenneth G., and C. H. Titus, to General Electric Co. Metal-clad switchgear employing vacuum type circuit interrupters. 3,397,293, 8–13–68, Cl. 200—50.
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Dart, William A., to Dart Mfg. Co. Apparatus for forming thin wall cellular plastic containers. 3,378,885, 4–23–68, Cl. 18—5.
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Pearson, Roland W., Daruwalla, and Parlour. 3,383,273.
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Das, Dilip K., and G. Freedman, to Raytheon Co. Dispersion hardening of metal. 3,399,086, 8–27–68, Cl. 148—32.
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Moseley, Robin C., and Reichl. 3,365,549.
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Dasbach, Curt J., and A. G. Kalb, to United States of America, Navy. Prevaporizing burner can. 3,407,596, 10–29–68, Cl. 60—39.71.
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D'Ascoli, Ralph G., and L. L. Alleva, to Anaconda Wire and Cable Co. Adhesive composition containing a copolymer of ethylene and ethyl acrylate and petroleum pitch. 3,392,132, 7–9–68, Cl. 260—28.5.
Das Gupta, Kamalaksha, to United States of America, Atomic Energy Commission. X-ray diffraction camera employing two curved crystal transmission type monochromotors. 3,379,876, 4–23–68, Cl. 250—51.5.
Dashaveyor Co., The: *See—*
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Dashew, Stanley A., and H. La Mers, to The Dashaveyor Co. Railway transportation system. 3,384,031, 5–21–68, Cl. 104—138.
Dashew, Stephen S., to West Coast Industries, Inc. Tilting trailer. 3,368,827, 2–13–68, Cl. 280—401.
Dashio, John C., 33⅓% to W. B. Jaspest. Ground supports for building structures and the like. 3,417,525, 12–24–68, Cl. 52—160.
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Dasse, Lester F., and R. J. Ott, to Respond Inc. Dispensing gun. 3,394,888, 7–30–68, Cl. 239—424.
Dassesse, Pierre, and R. Dechenne, to Solvay & Cie. Polymerization of olefins in the presence of a catalyst comprising an organometallic compound and the reaction product of a transition metal compound and a hydroxychloride of a bivalent metal. 3,400,110, 9–3–68, Cl. 260—88.2.
Dassler, Adolf. Sport shoes, especially for runners. Re. 26,340, 2–6–68, Cl. 36—2.5.
Dasta, Anthony G., and Edward L. Curran. Head-positioning device for X-ray photography. 3,369,787, 2–20–68, Cl. 248—118.
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Data Disc, Inc.: *See—*
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Data Packaging Corp.: *See—*
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Palson, Richard C. J. 3,365,094.
Data Products Corp.: *See—*
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Kelsey, Christopher G. 3,375,568.
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Datawell N.V.: *See—*
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Date, Hikaru, to Japan Broadcasting Corp. Directional wave receiving system. 3,383,689, 5–14–68, Cl. 343—113.
Date, Kazuo H., to McGraw-Edison Co. Repeating circuit interrupter. 3,376,525, 4–2–68, Cl. 335—26.
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Datwyler, Walter F., Jr.: *See*—
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Daub, Friedrich, to Siegenes Maschinenbau G.m.b.H. Method of and apparatus for continuously feeding coils of strip-like material to a processing line. 3,365,144, 1–23–68, Cl. 242—78.1.

Daubenberger, Charles J., and B. J. Bryant, to DA/Pro Rubber Co., Inc. High frequency shielding and sealing gasket. 3,371,147, 2–27–68, Cl. 174—35.

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Daubert, George A., R. F. Wollek, and Z. Kutashy, to Daubert Chemical Co. Adhesive sound damping tape for application to vibrating panels. 3,386,527, 6–4–68, Cl. 181—33.

Daugherty, Arthur J., to Film Corp. of America. Photographic printing apparatus for making plural assorted-sized prints simultaneously. 3,401,594, 9–17–68, Cl. 88—24.

Daugherty, Benjamin E., to Cardinal Extrusions Co. Elongate panel edging strip of the prefabricated type. 3,416,282, 12–17–68, Cl. 52—627.

Daugherty, Jesse, to Giddings & Lewis Machine Tool Co. High-speed floor type contour milling machine. Re. 26,393, 5–21–68, Cl. 90—13.

Daugherty, Phillip M., C. K. Lovejoy, and H. L. Vaughan, to Scripto, Inc. Fountain pen having a porous rod type nib. 3,400,998. 9–10–68, Cl. 401—198.

Daugherty, T. Stevens, to Reynolds Metals Co. Consolidated bodies of different aluminous metals to provide corrosion protection and method of making. 3,413,101, 11–26–68, Cl. 29—182.

Daughtry, Albert E. Device for removing embedded fishhook. 3,377,735, 4–16–68, Cl. 43—53.5.

Daugirdas, Kristupas, R. J. Lynn, and S. L. Lowy, to Vapor Corp. Modulating door check. 3,380,110, 4–30–68, Cl. 16—66.

Daugirdas Kristupas, and C. W. Roth to Vapor Corp. Door operator locking mechanism. 3,384,994, 5–28–68, Cl. 49—13.

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Daum, Gerhard, P. Janssen, and H. Richtzenhain, to Scholven-Chemie Aktiengesellschaft. Hardened epoxide polymers. 3,367,911, 2–6–68, Cl. 260—47.

Daum, Gerhard, R. Modic, and H. Richtzenhain, to Dynamit Nobel Aktiengesellschaft. Process for preparing unsaturated 6-membered lactams. 3,393,199, 7–16–68, Cl. 260—294.9.

Daum, John L., and R. B. Spurgin, to Delta Mfg. and Engineering Corp. Wheel washing apparatus. 3,361,143, 1–2–68, Cl. 134—45.

Daum, John L., and R. B. Spurgin, to Delta Mfg. and Engineering Corp. Vehicle washing apparatus. 3,370,596, 2–27–68, Cl. 134—45.

Daum, John L., and R. B. Spurgin, to Delta Mfg. and Engineering Corp. Carwashing apparatus. 3,400,727, 9–10–68, Cl. 134—99.

Daunt, John G., to Malaker Corp. Matrix system for low temperature engine regenerators. 3,375,867, 4–2–68, Cl. 165—10.

Daunt, John G., to Research Corp. Cyclic desorption refrigerator. 3,397,549, 8–20–68, Cl. 62—79.

Daunt, John G., to Malaker Corp. Regenerator matrix systems for low temperature engines. 3,397,738, 8–20–68, Cl. 165—10.

Daur, Hans-Karl, to Daimler-Benz Aktiengesellschaft. Device for centering two shafts of a flexible coupling. 3,393,536, 7–23–68, Cl. 64—13.

Daurat, Andre, to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques. Cell for refining aluminum by fusion electrolysis. 3,386,908, 6–4–68, Cl. 204—243.

Dautzenberg, Winand J., W. B. Mitchell, R. L. Trent, J. E. Van Wagenen, and R. R. Rau, to National Semiconductor Corp. Semiconductor chopper amplifier with tin emitters. 3,408,542, 10–29–68, Cl. 317—235.

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Davant, Joseph A., Jr.: *See*—
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Davasso, John M., to Ford Motor Co. Mechanism for varying the operation of a reciprocating member. 3,413,965, 12–3–68, Cl. 123—90.

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Davenport, Elmer T.: *See*—
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Davenport, Francis R., S. Ruback, and B. Smith, to Cigarette Components Ltd. Method and apparatus for making integral multiple tobacco smoke filters. 3,371,000, 2–27–68, Cl. 156—180.

Davenport, Frank P. Manhole cover lifting apparatus. 3,362,684, 1–9–68, Cl. 254—131.

Davenport, Fred J. Insulation panel. 3,364,639, 1–23–68, Cl. 52—309.

Davenport, William H., to Chase Brass & Copper Co. Inc. Method of recovering rhenium values from rhenium-containing scrap material. 3,407,127, 10–22–68, Cl. 204—82.

Davenport, William R. and E. T., to Crowell Designs, Inc. Bilge pump. 3,408,942, 11–5–68, Cl. 103—87.

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Davey, Charles T.: *See*—
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Davey, Charles T., R. G. Amicone, and V. W. Goldie, to United States of America, Army. Repetitive pulse signal generator with gated load switching control. 3,414,822, 12–3–68, Cl. 328—60.

Davey, Cyril N., to United Kingdom Atomic Energy Authority. Beam scanner for indicating the position of a beam of nuclear particles. 3,371,274, 2–27–68, Cl. 324—71.

Davey, Cyril N., to United Kingdom Atomic Energy Authority. Ultrasonic measuring apparatus. 3,394,585, 7–30–68, Cl. 73—67.7.

Davey, Ronald L., K. L. Piggott, A. F. Reid, and P. C. Wailes, to Commonwealth Scientific and Industrial Research Organization. Method for preparing dicyclopentadienyl magnesium. 3,405,186, 10–8–68, Cl. 260—665.

Davey, Sidney M., R. J. Ebbert, and W. R. McBride, to Deering Milliken, Inc. Coin wrapping machine. 3,382,647, 5–14–68, Cl. 53—159.

Davey, Thomas R. A., to Metallurgical Processes Ltd., and Imperial Smelting Corp. (N.S.C.) Ltd., d.b.a. Metallurgical Development Co. Apparatus for dezincing lead. 3,405,926, 10–15–68, Cl. 266—37.

Davey, Thomas R. A., and H. T. Webster, deceased (by E. F. Webster, executrix), to The Broken Hill Associated Smelters Proprietory Ltd. Apparatus for copper drossing of lead bullion. 3,368,805, 2–13–68, Cl. 266—37.

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David, Charles A. M., to Compagnie des Machines Bull (Societe Anonyme). Balanced sense line permanent memory system. 3,383,663, 5–14–68, Cl. 340—173.

David, Charles H. A., to Parsons & Whittemore. Slitting and creasing machines, particularly those used in the corrugated board industry. 3,408,886, 11–5–68, Cl. 83—9.

David, Charles W., to Data Products Corp. Method and apparatus for coating magnetic discs. 3,378,394, 4–16–68, Cl. 117—105.3.

David, Edgar S.: *See*—
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David, Edward E., Jr., M. R. Schroeder, and M. M. Sondhi, to Bell Telephone Laboratories, Inc. Apparatus for determining the periodicity and aperiodicity of a complex wave. 3,405,237, 10–8–68, Cl. 179—1.

David, George J.: *See*—
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David, Harvey A.: *See*—
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David, Robert C., H. Gratz, and R. H. Miller; said David and said Gratz assors. to said Miller. Backing strip-stud component for flexible folders. 3,367,340, 2–6–68, Cl. 129—39.5.

David, Thomas H., Jr.: *See*—
Beck, Roland D., David, Davis, Doyle, and Geiger. 3,367,561.

David, Vernon J. Alternating current electric motor. 3,376,442, 4–2–68, Cl. 310—156.

Davidoff, Charles, and S. Bitko. Apparatus for periodically supplying make-up material to an electrochemical bath. 3,369,987, 2–20–68, Cl. 204—275.

Davidoff, Dorsey, to Dalto-Electronics Corp. Aircraft landing lights simulator. 3,373,506, 3–19–68, Cl. 35—12.

Davidoff, Dorsey, to United States of America, Navy. Pulse repetition frequency filter with continuously variable upper and lower limits. 3,383,605, 5–14–68, Cl. 328—138.

Davidoff, Dorsey, to United States of America, Navy. Schmitt trigger or multivibrator control of a diode bridge microsecond switch and chopper circuit. 3,388,270, 6–11–68, Cl. 307—257.

Davidoff, Dorsey, to United States of America, Navy. Trigger circuit having adjustable upper and lower voltage trigger limits to control a servomotor in forward and reverse drive. 3,403,310, 9–24–68, Cl. 318—18.

Davidoff, Dorsey, to United States of America, Navy. Trigger circuit having adjustable upper and lower voltage trigger limits to control a servomotor in forward and reverse drive. 3,403,351, 9–24–68, Cl. 318—18.

Davidoff, Dorsey, to United States of America, Navy. Servo repositioning circuit in a servomotor drive system for compensating servomotor overtravel. 3,405,336, 10–8–68, Cl. 318—18.

Davidoff, Morris: *See*—
Maslow, John, and Davidoff. 3,361,504.

Davidovits, Paul, R. Novick, and N. Knable, to Varian Associates. Atomic resonance apparatus utilizing an improved buffer gas cell. 3,390,350, 6–25–68, Cl. 331—94.

Davids, John H.: *See*—
Cox, Robert B., Davids, and Johnson. 3,398,548.

Davidse, Jan, to North American Philips Co., Inc. Circuit arrangement for converting a color television signal. 3,384,706, 5–21–68, Cl. 178—5.4.

Davidse, Pieter D., and L. I. Maissel, to International Business Machine Corp. Apparatus for cathode sputtering including a shielded RF electrode. 3,369,991, 2–20–68, Cl. 204—298.

Davidson, Arthur P., and A. N. Mangum, to United Aircraft Corp. Articles for printed circuit repair. 3,406,246, 10–15–68, Cl. 174—68.5.

Davidson, Charles S., to Byrne Doors, Inc. Canopy door. 3,413,757, 12–3–68, Cl. 49—200.

Davidson, Charles S., to Byrne Doors, Inc. Door construction. 3,418,775, 12–31–68, Cl. 52—464.

Davidson, Clarence O. Leaf blowing apparatus. 3,363,278, 1–16–68, Cl. 15—405.

Davidson, Daniel F.: *See*—
Roach, Peter F., and Davidson. 3,390,571.

Davidson, Edmund B., to Esso Research and Engineering Co. Solid homopolymers and copolymers of halogen substituted olefins and a process for the preparation of the same. 3,379,793, 4–23–68, Cl. 260—87.5.

Davidson, Eugene M., to Hudson Engineering Corp. Tube assembling apparatus. 3,406,838, 10–22–68, Cl. 214—1.

Davidson, Frederic A., Jr., and R. D. Schalge, to Harsco Corp. Multiple shaft tower construction. 3,388,511, 6–18–68, Cl. 52—30.

Davidson, Frederic A., Jr., and R. D. Schalge, to Harsco Corp. Hoist tower. 3,395,501, 8–6–68, Cl. 52—30.

Davidson, Frederic A., Jr., and R. D. Schalge, to Harsco Corp. Cathead supports. 3,396,498, 8–13–68, Cl. 52—123.

Davidson, Gordon A.: *See*—
Galasso, Maurice, and Davidson. 3,393,864.

Davidson, James C., to Canadian Ingersoll-Rand Co. Ltd. Brake control mechanism. 3,386,536, 6–4–68, Cl. 188—174.

Davidson, James W., and J. L. Maurer, to Eagle-Picher Industries, Inc. Forming corrugated hose. 3,402,429, 9–24–68, Cl. 18—19.

Davidson, John D., and F. J. Murphy, Jr., to Westinghouse Electric Corp. Field circuit control for alternating current generators. 3,371,266, 2–27–68, Cl. 322—69.

Davidson, John K., and R. S. Miller, to Allis-Chalmers Mfg. Co. Cermet and ceramic fuel element. 3,378,457, 4–16–68, Cl. 176—77.

Davidson, John W., C. R. Brooks, E. J. Voisey, and J. D. Burton, to The Greater London Council, J. W. Davidson, C. R. Brooks, and E. J. Voisey. Building panel with a synthetic plastic shell. 3,403,488, 10–1–68, Cl. 52—204.

Davidson, Joseph H.: *See*—
Pinkham, Jesse R., Trivette, Davidson, and Speas. 3,386,320.

Davidson, Keith V.: *See*—
Riley, Robert E., Davidson, and Taub. 3,419,656.

Davidson, Mats I. Apparatus for applying ribbons at slits of clothing. 3,381,640, 5–7–68, Cl. 112—147.

Davidson, Norman: *See*—
Deutsch, Martin I., Davidson, and Traum. 3,382,819.

Davidson, Ralph L., and C. C. Parker, to Curtis & Marble Machine Co. Sewing apparatus. 3,396,686, 8–13–68, Cl. 112—2.

Davidson, Richard M., to Bell & Howell Co. Fast acting reversible friction drive mechanism. 3,396,589, 8–13–68, Cl. 74—202.

Davidson, Richard S., Jr., to Hughes Aircraft Co. Solid state synchro. 3,365,594, 1–23–68, Cl. 310—10.

Davidson, Robert R.: *See*—
Pettyjohn, Austin E., Riblett, Davidson, and Cox. 3,371,615.

Davidson, Robert W., to American Machine & Foundry Co. Cargo handling apparatus. 3,390,752, 7–2–68, Cl. 193—35.

Davidson, Sam. Wound resistors with terminal means. 3,387,249, 6–4–68, Cl. 338—298.

Davidsson, Mats I. Device for separating thread connected work pieces. 3,407,763, 10–29–68, Cl. 112—252.

Davie, William R., to United States Steel Corp. Method of removing potassium ions from hydroxyalkyl alkyl maleates. 3,381,028, 4–30–68, Cl. 260—485.

Davies, Alwyn G., to M & T Chemicals Inc. Triorgano(hydroxyalkylenoxy) tin compounds their trihydrocarbyltin (IV) alcoholate and hydrocarbylether derivatives and the preparation thereof. 3,376,328, 4–2–68, Cl. 260—429.7.

Davies, Alwyn G. Isocyanurate production. 3,396,167, 8–6–68, Cl. 260—248.

Davies, Alwyn G., to M & T Chemicals, Inc. Organotin carbonates, their thio-anologs and the preparation thereof. 3,417,117, 12–17–68, Cl. 260—429.7.

Davies, Arthur G., to Medical and Electrical Instrumentation Co., Ltd. Exposure control apparatus. 3,397,611, 8–20–68, Cl. 88—24.

Davies, Barrie L.: *See*—
Cannon, Cyril G., Davies, Selwood, and Williams. 3,388,545.

Davies, Ben: *See*—
Campbell, William W., Pack, and Davies. 3,395,031.
Woodruff, Roger W., and Davies. 3,367,292.

Davies, Ben, to Harbison-Walker Refractories Co. Basic refractories. 3,364,043, 1–16–68, Cl. 106—58.

Davies, Ben, and G. F. Carini, to Dresser Industries, Inc. Magnesite refractories. 3,390,002, 6–25–68, Cl. 106—58.

Davies, Charles, to Wayne Cooling Equipment Corp. Air distribution system for a bus. 3,362,317, 1–9–68, Cl. 98—2.

Davies, Chauncey R., to Bell Telephone Laboratories, Inc. System for remote testing of telephone subscribers' lines. 3,410,966, 11–12–68, Cl. 179—175.2.

Davies, Daniel J.: *See*—
Manion, Jean P., Hipp, and Davies. 3,396,098.

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Priese, Werner K., and Davies. 3,415,488.

Davies, David O.: *See*—
Johnson, Christopher L., Davies, Hartland, and Hatchett. 3,391,534.

Davies, David O., L. Barnes, and A. A. Burrows, to Rolls-Royce Ltd. Fuel nozzle assembly for gas turbine engines or the like. 3,397,536, 8–20–68, Cl. 60—39.71.

Davies, Eric, to The Marconi Co. Ltd. Pulse triggered oscillation generators with minimal transient build-up. 3,363,198, 1–9–68, Cl. 331—117.

Davies, Eric, to The Marconi Co. Ltd. Interstage attenuator coupling network for tuned emitter amplifiers. 3,399,356, 8–27–68, Cl. 330—21.

Davies, Eric, to The Marconi Co. Ltd. Pulse circuit arrangements for deriving a lower number of pulses per unit time from a greater number of pulses per unit time. 3,418,582, 12–24–68, Cl. 328—39.

Davies, Everett H., to Barber-Colman Co. Multi-point recorder. 3,409,898, 11–5–68, Cl. 346—61.

Davies, Glyn T.: *See*—
Halls, Gordon A., and Davies. 3,384,346.

Davies, Glyn T., to Rolls-Royce Ltd. Aerofoil-shaped blade for use in a fluid flow machine such as a turbine. 3,412,979, 11–26–68, Cl. 253—39.1.

Davies, Glyn T., and W. J. Howard, to Rolls-Royce Ltd. Blades for mounting in fluid flow ducts. 3,378,228, 4–16–68, Cl. 253—39.1.

Davies, Guy E.: *See*—
Davis, John C. H., and Davies. 3,416,358.

Davies, Gwyn, to A. B. Metal Products Ltd. Electrical switch with improved actuator means. 3,408,462, 10–29–68, Cl. 200—6.

Davies, Harold, to Thiokol Chemical Corp. Rocket motor. 3,370,430, 2–27–68, Cl. 60—251.

Davies, Henry M., and A. S. Thomas, to Monsanto Co. Antioxidant compositions. 3,385,790, 5–28–68, Cl. 252—32.7.

Davies, Hugh K.: *See*—
Tregoning, Geoffrey R., and Davies. 3,376,965.

Davies, James J.: *See*—
Walles, Wilhelm E., and Davies. 3,387,917.

Davies, John P., to Ernest Scragg & Sons Ltd. Textile apparatus. 3,382,661, 5–14–68, Cl. 57—105.

Davies, John P., to Ernest Scragg & Sons Ltd. Textile apparatus. 3,392,520, 7–16–68, Cl. 57—105.

Davies, Leonard G., to Matthews & Yates Ltd. Resilient couplings. 3,364,700, 1–23–68, Cl. 64—30.

Davies, Maurice C.: *See*—
Barg, William F., Jr., Bell, De Renzo, and Davies. 3,413,208.

Davies, Paul M., to TRW Inc. Dual control memory modules for self searching memory. 3,418,642, 12–24–68, Cl. 340—173.1.

Davies, Peter M. J.: *See*—
Heard, Jeffery G., and Davies. 3,398,304.

Davies, Phineas, to Imperial Chemical Industries Ltd. Steam reforming of hydrocarbons. 3,418,093, 12–24–68, Cl. 48—214.

Davies, Robert L.: *See*—
Davis, Calvin M., and Davies. 3,370,209.

Davies, Robert L., to General Electric Co. Conductive electrode for reducing the electric field in the region of the junction of a junction semiconductor device. 3,413,527, 11–26–68, Cl. 317—234.

Davies, Robin E.: *See*—
Rainger, Peter, and Davies. 3,400,211.

Davies, Stanley, V. L. Evans, and J. D. Watt. Tows of synthetic filaments and method for making the same. 3,408,251, 10–29–68, Cl. 161—169.

Davies, Terence A., and T. Johnson, to The International Nickel Co., Inc. Metal-to-glass seal. 3,384,399, 5–21–68, Cl. 287—189.365.

Davies, Victor. Steering and propulsion of watercraft. 3,380,426, 4–30–68, Cl. 115—28.

Davies, William A. M.: *See*—
Turner, John C., and Davies. 3,412,084.

Davies, William J., and J. K. Rhodes, to Rolls-Royce Ltd. Bearing. 3,372,961, 3–12–68, Cl. 308—72.

Davies, William J., and C. F. Smith, to Rolls-Royce Ltd. Bearing. 3,390,928, 7–2–68, Cl. 308—187.

D'Avignon, Jacques, to Weather Engineering Corp. of Canada, Ltd. Apparatus for use in the seeding of clouds. 3,404,821, 10–8–68, Cl. 226—90.

Davin, Jean J., to Crouzet S.r.l. Program switch. 3,373,253, 3–12–68, Cl. 200—38.

Davis Aircraft Products, Inc.: *See*—
Higuchi, Nori. 3,381,925.

Davis, Alfred C., to Imperial Tobacco Co. (of Great Britain and Ireland) Ltd. Cigarettes. 3,410,274, 11–12–68, Cl. 131—9.

Davis, Allan: *See*—
Hillman, Gary, and Davis. 3,373,322.

Davis, Alva R., Jr.: *See*—
Beck, Roland D., David, Davis, Doyle, and Geiger. 3,367,561.

Davis, Ariel R. Meter with incandescent lamp means and light sensitive means for measuring RMS voltages. 3,363,175, 1–9–68, Cl. 324—96.

Davis, Ariel R. Saturable reactor dimmer. 3,388,294, 6–11–68, Cl. 315—194.

Davis, Artie L., ¼ to J. A. Marlar. Climatic controls for internal combustion engines. 3,392,915, 7–16–68, Cl. 236—101.

Davis, Augustine, Jr., to Davisbilt Steel Joist, Inc. Nailable steel joist. 3,381,433, 5–7–68, Cl. 52—364.

Davis, Baruch J.: *See*—
Ornstein, Leonard, and Davis. 3,384,564.

Davis, Bayard C., to Continental Sensing Inc. Shielded conductor for use as thermoelectric transducer. 3,408,607, 10–29–68, Cl. 338—26.

Davis, Bayard C., A. Singer, and M. T. Chapman, Jr., to Continental Sensing, Inc. Heater construction. 3,366,913, 1–30–68, Cl. 338—322.

Davis, Bayard C., and A. Singer. Thermocouple assembly having a deformable ferrule housing. 3,376,169, 4–2–68, Cl. 136—230.

Davis, Bayard C., A. Singer, and M. T. Chapman, Jr. Screen heater with an outer metallic sheath. 3,400,356, 9–3–68, Cl. 338—208.

Davis, Bernard J., to Reichhold Chemicals, Inc. Bloom control for sulfur curable synthetic elastomers. 3,390,126, 6–25–68, Cl. 260—79.5.

Davis, Billy E.: *See*—
Lane, Bobbie R., and Davis. 3,377,532.
Schaefer, William A., Schmidt and Davis. 3,415,022.

Davis, Billy E., to Camco, Inc. Flow meter. 3,376,745, 4–9–68, Cl. 73—205.

Davis, Burns, and R. M. Schulken, Jr., to Eastman Kodak Co. Removing unreacted diisocyanates from macrodiisocyanates and polymerizing to form segmented polyurethane copolymers. 3,415,790, 12–10–68, Cl. 260—77.5.

Davis, Burt L. Emergency evacuation system. 3,408,025, 10–29–68, Cl. 244—118.

Davis, Calvin M., and R. L. Davies, to General Electric Co. Power bulk breakdown semiconductor devices. 3,370,209, 2–20–68, Cl. 317—235.

Davis, Carey L., 12½% each to W. B. Pritchett, B. G. Stumberg, Jr., G. M. Eubanks, and R. N. Lester. Hydraulic brake system. 3,360,938, 1–2–68, Cl. 60—54.6.

Davis, Carey L., 12½% each to W. B. Pritchett, B. G. Stumberg, Jr., G. M. Eubanks, and R. N. Lester. Expansible chamber device. 3,361,076, 1–2–68, Cl. 103—161.

Davis, Carey L., 20% each to W. B. Pritchett, Jr., B. G. Stumberg, G. M. Enbanks, and R. N. Lester. Oscillating machine. 3,408,991, 11–5–68, Cl. 123—18.

Davis, Carey L., 20% each to W. B. Pritchett, Jr., B. G. Stumberg, Jr., G. M. Eubanks, and R. N. Lester. Weighing and dispensing apparatus 3,416,708, 12–17–68, Cl. 222—55.

Davis, Charles A., to W. J. Young Machinery Co., Inc., Adjustable gang nail holder. 3,404,824, 10–8–68, Cl. 227—140.

Davis, Charles B. Fire extinguisher utilizing products of combustion. 3,407,880, 10–29–68, Cl. 169—12.

Davis, Charles F. Advancing mechanism for a semi-automatic solder feeding apparatus. 3,390,826, 7–2–68, Cl. 228—53.

Davis, Charles J. Underground cable laying implement. 3,363,423, 1–16–68, Cl. 61—72.6.

Davis, Charles M.: *See*—
Davis, William E. and C. M. 3,405,813.

Davis, Charles S., and H. R. Snyder, Jr., to The Norwich Pharmacal Co. 1-(5-Substituted) furfurylideneamino hydantoins and imidazolidinones. 3,415,821, 12–10–68, Cl. 260—240.

Davis, Charles P., to Technical Material Corp. Flywheel. 3,360,924, 1–2–68, Cl. 60—1.

Davis, Chester, to Scott Paper Co. Arylmethane dye azides and method of forming colored indicia therewith. 3,377,185. 4–9–68, Cl. 117—38.

Davis, Chester. Hexamethyltriaminophenylfluorene printing composition and manifolding sheet therewith. 3,413,071, 11–26–68, Cl. 8—2.5.

Davis, Claude E., 10% to C. Mason, and 10% to W. R. Graham. Method of producing a prepared quick-igniting charcoal fuel. 3,374,070, 3–19–68, Cl. 44—6.

Davis, Clement, and D. W. Matteson, to Audio-Chron, Inc. Tape recorded chime clock. 3,376,700, 4–9–68, Cl. 58—14.

Davis, Clyde F., to Quick Ball Return, Inc. Mechanical backstop for pin setting machines. 3,375,006, 3–26–68, Cl. 273—49.

Davis, Daniel H., Jr., to Burroughs Corp. Card stacking apparatus. 3,365,193, 1–23–68, Cl. 271—74.

Davis, David R.: *See*—
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Davis, David R. Disposable air filter bag. 3,369,348, 2–20–68, Cl. 55—374.

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Anderson, Harold P., Baker, Davis, Hohmann, Maul, McEowen, Meise and Well. 3,385,935.

Davis, David W.: *See*—
Dix, Sydney, Davis, Sklena, and Sutherland. 3,382,342.

Davis, Dhu A. J., to Hermetic Coil Co., Inc. Reciprocating motor core structure. 3,375,380, 3–26–68, Cl. 310—29.

Davis, Dhu A. J., to Hermetic Coil Co., Inc. Transformer having winding reads held in pressure contact with terminals. 3,387,244, 6–4–68, Cl. 336—92.

Davis Dhu A. J., to Hermetic Coil Co., Inc. Motor. 3,388,273, 6–11–68, Cl. 310—67.

Davis, Dhu A. J., to D. J. Davis Co., Inc. Electric solder gun tip. 3,401,255, 9–10–68, Cl. 219—233.

Davis, D. J., Co., Inc.: *See*—
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Davis, Donald A., Jr. Vehicle storage apparatus. 3,382,991, 5–14–68, Cl. 214—16.1.

Davis, Donald W.: *See*—
Heller, William C., Jr., and Davis. 3,400,878.

Davis, Donald W. Method of swallowing a pill. 3,418,999, 12–31–68, Cl. 128—1.

Davis, Donovan M., and R. K. Car camper. 3,410,598, 11–12–68, Cl. 296—23.

Davis, Earl K., to Westinghouse Electric Corp. Dielectric glasses and capacitors employing such glasses. 3,379,942, 4–23–68, Cl. 317—258.

Davis, Edna L. Drapery measuring tape assembly. 3,418,719, 12–31–68, Cl. 33—137.

Davis, Edward: *See*—
French, John F. 3,391,331.

Davis, Edward A., to The B. F. Goodrich Co. Transfer molding apparatus. 3,372,436, 3–12–68, Cl. 18—42.

Davis, Edward E., to Davis Fire Brick Co. Composite car top tile. 3,377,670, 4–16–68, Cl. 25—142.

Davis, Edwin N., R. A. Rhodes, and L. L. Wallen, to United States of America, Agriculture. Glucan production by fermentation of fleshy fungi. 3,396,082, 8–6–68, Cl. 195—31.

Davis Electronic Corp.: *See*—
Guttmann, Wolf, and Miller. 3,365,045.

Davis, Elwood T., to Leeds & Northrup Co. Electrical control network. 3,369,750, 2–20–68, Cl. 236—68.

Davis, Everett R., E. W. Merrill, and D. D. Hundt, to W. R. Grace & Co. Side seam seal for metal containers. 3,369,568, 2–20–68, Cl. 138—168.

Davis Fire Brick Co.: *See*—
Davis, Edward E. 3,377,670.

Davis Flow-Valve, Inc.: *See*—
Davis, Harry S. 3,369,204.

Davis, Francis A., Jr., to Paramount Packaging Corp. Side weld bag. 3,375,969, 4–2–68, Cl. 229—53.

Davis, Frank L. Flush seating, watertight and airtight anchorages for tiedown gear and other equipment. 3,365,162, 1–23–68, Cl. 248—361.

Davis, Frank L. Buckle with automatically operating positive release action. 3,396,435, 8–13–68, Cl. 24—78.

Davis, Frank R. Bracket for collapsible tubes, safety razor and the like. 3,384,243, 5–21–68, Cl. 211—87.

Davis & Furber Machine Co.: *See*—
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Kooistra, John A. 3,410,380.

Davis, Gary W.: *See*—
King, Joseph W., Parsons, and Davis. 3,394,251.

Davis, George D.: *See*—
Engelbrecht, Robert M., Davis, Schuck, Schultz, and Snyder. 3,402,217.

Davis, George D., and E. C. Makin, Jr., to Monsanto Co. Hydrocarbon separation with an alkoxynitrile solvent. 3,372,109, 3–5–68, Cl. 208—313.

Davis, George D., R. D. Beckham, and L. W. Fannin, to Monsanto Co. Method for detecting moisture. 3,377,294, 4–9–68, Cl. 252—408.

Davis, George G. and P. C., and H. O. Bender; said G. G. and P. C. Davis, assors. to said Bender. Electronic wheel alignment apparatus. 3,409,991, 11–12–68, Cl. 33—203.14.

Davis, Gilbert C.: *See*—
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Davis, Glen R., to Sinclair Research, Inc. Multiple trace recorder. 3,380,068, 4–23–68, Cl. 346—49.

Davis, Golden C. Carrier for disk records. 3,374,041. 3–19–68, Cl. 312—10.

Davis, Harold B., and R. G. Terker, to Security Tape Corp. Burglar alarm system including protective tape. 3,409,886, 11–5–68, Cl. 340—273.

Davis, Harold E., Jr., and R. J. Powers. Method and apparatus of refrigeration using cryogenic liquid. 3,405,531, 10–15–68, Cl. 62—63.

Davis, Harold G., to Rocky Mountain Dental Products Co. Lance matrix band clamp for dental purposes. 3,383,769, 5–21–68, Cl. 32—63.

Davis, Harry S., to Davis Flow-Valve, Inc. Sequencing device. 3,369,204, 2–13–68, Cl. 335—138.

Davis, Harry S. Timing mechanism. 3,377,446, 4–9–68, Cl. 200—38.

Davis, Harvey J. Container having a plurality of pockets affixed thereto. 3,397,804, 8–20–68. Cl. 220—20.

Davis, Herman E., to Eastman Kodak Co. 3,7,7-trialkyl-5-heptenol and its preparation. 3,394,169, 7–23–68, Cl. 260—488.

Davis, Howard C., and H. E. Trumbull, to Xerox Corp. Sheet guiding mechanism for a reproduction machine. 3,380,379, 4–30–68, Cl. 101—132.

Davis, Howard J., R. F. Busse, and T. W. George, to Celanese Corp. Smoke filters. 3,370,595, 2–27–68, Cl. 131—266.

Davis, Hunt, to Worthington Corp. Multistage turbomachine. 3,387,769, 6–11–68, Cl. 230—130.

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Davis, J. G., II: *See*—
Shock, D'Arcy A., and Davis. 3,387,888.

Davis, Jack R., W. H. Wharton, and M. C. McGaugh, to The Dow Chemical Co. Ethylene polymers stabilized with carbon black and alkylated hydroxy anisoles. 3,409,583, 11–5–68, Cl. 260—41.

Davis, James E., to Whirlpool Corp. Surface unit. 3,375,819, 4–2–68, Cl. 126—211.

Davis, James E., and J. T. Doner, to Whirlpool Corp. Oven door. 3,384,072, 5–21–68, Cl. 126—200.

Davis, James F. Progressively illuminated sign. 3,384,986, 5–28–68, Cl. 40—130.

Davis, James F. Amusement roller slide. 3,385,599, 5–28–68, Cl. 272—56.5.

Davis, James F. Animated sign. 3,399,476, 9–3–68, Cl. 40—130.

Davis, James R. Frequency modulated crystal oscillator. 3,382,462, 5–7–68, Cl. 332—26.

Davis, Jeannette. Folding eyeglass assembly with extensible bow members for gripping wearer's head. 3,361,514, 1–2–67, Cl. 351—63.

Davis, Jefferson C.: *See*—
Ritzinger, Frederick R., Jr., Davis, Whitmore, Harris, Gardner, Moore, and Boyle. 3,392,405.

Davis, Jerome I., and R. J. Enyeart, to Condec Corp. Driving and steering system for vehicles. 3,362,493, 1–9–68, Cl. 180—6.32.

Davis, Jerry B.: *See*—
Walz, Frank C., Jr., and Davis. 3,367,072.

Davis, Jesse. Method of forming a non-uniform metal coating on a ceramic body utilizing an abrasive erosion step. 3,392,052, 7–9–68, Cl. 117—212.

Davis, John B.: *See*—
Brown, Cicero C., and Davis. 3,361,453.
Cochran, Chudleigh B., and Davis. Re. 26,379.
Coty, Vernon F., and Davis. 3,390,975.
Coty, Vernon F., and Davis. 3,393,063.

Davis, John B., to Brown Oil Tools, Inc. Releasable well packer. 3,391,742, 7–9–68, Cl. 166—139.

Davis, John C. H., to British Telecommunications Research Ltd. Active filters for electrical signalling systems. 3,388,219, 6–11–68, Cl. 179—15.

Davis, John C. H., and G. E. Davies, to British Telecommunications Research Ltd. Fluid sensors. 3,416,358, 12–17–68, Cl. 73—37.

Davis, John N., and E. B. Hanson, to General Electric Co. Cable holder. 3,365,540, 1–23–68, Cl. 174—138.

Davis, John R.: *See*—
Miles, John K., and Davis. 3,408,672.

Davis, John R., to Ledex Inc. Mounting assembly for rotary switch with mounting plate having radially disposed slots to slidably receive wafer supporting rods. 3,384,728, 5–21–68, Cl. 200—168.

Davis, John R., J. M. Headrick, and I. H. Page, to United States of America, Navy. Diverse frequency echo detection system with doppler frequency coherence. 3,383,686, 5–14–68, Cl. 343—14.

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Davis, Louis K., to General Electric Co. Motion damper. 3,399,317, 8–27–68, Cl. 310–93.

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Dazey, William H., and A. Koehler, to The Dow Chemical Co. Method for concentration of blood protein solutions employing methanol and flash evaporation. 3,361,732, 1–2–68, Cl. 260—112.
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De Acetis, William, and E. J. Smutny, to Shell Oil Co. Polyfunctional epoxides and their polymers. 3,364,176, 1–16–68, Cl. 260—47.
Deacon, George P. Electrical radiant heating panels. 3,400,247, 9–3–68, Cl. 219—345.
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Deakin, Alfred. Automatic balancing device. 3,410,154, 11–12–68, Cl. 74—573.
Deakin, Stanley T., to Sealectro Ltd. Electric circuit selectors. 3,377,607, 4–9–68, Cl. 339—18.
Deakin, Stanley T., to Sealectro Ltd. Electrical sockets. 3,381 261, 4–30–68, Cl. 339—248.
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Dean, Abner. Multilevel folding table. 3,387,573, 6–11–68, Cl. 108—117.

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Dean, Albert G., to The Budd Co. Controlled ventilation for disc brakes. 3,366,203, 1–30–68, Cl. 188—264.

Dean, Albert G., to The Budd Co. Railway car diaphragm and buffer structure. 3,399,632, 9–3–68, Cl. 105—15.

Dean, Albert G., to The Budd Co. Disk brake apparatus. 3,415,168, 12–10–68, Cl. 92—30.

Dean, Arthur L., to Syntron (Canada) Ltd. Vehicle alarm system. 3,416,129, 12–10–68, Cl. 340—32.

Dean, Calvin B. Kiln liner block supporting structure. 3,417,538, 12–24–68. Cl. 52—749.

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Dean, Earl W., to The Goodyear Tire & Rubber Co. White sidewall tire. 3,377,222, 4–9–68, Cl. 156—116.

Dean, Frank J., Jr., to Tempmaster Corp. Thermostatic control assembly for air conditioning systems. 3,363,536, 1–16–68, Cl. 98—41.

Dean, Fred, to Imperial Chemical Industries, Ltd. Separation of ethers. 3,410,762, 11–12–68, Cl. 203—64.

Dean, George A., to Dean Research Corp. Apparatus for handling sheets. 3,411,641, 11–19–68, Cl. 214—8.5.

Dean, George J., Jr. Electrically indicating target system with adjustably tensioned target member. 3,367,661, 2–6–68, Cl. 273—102.2.

Dean, Harry N., to Libbey-Owens-Ford Glass Co. Apparatus for producing multiple sheet glazing unit. 3,384,468, 5–21–68, Cl. 65—152.

Dean, Hollie T., to Swift & Co. Color changing window with closed liquid circulation system. 3,368,862, 2–13–68, Cl. 350—312.

Dean, Jack A.: *See*—
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Dean, Jack A., to Radio Corp. of America. Transistor deflection circuit. 3,411,031, 11–12–68, Cl. 315—27.

Dean, James C., to United Aircraft Corp. Flight control linkage for aircraft. 3,396,597. 8–13–68, Cl. 74—469.

Dean, James T., to Mobil Oil Corp. Storage method and system for TFL tools. 3,396,789, 8–13–68, Cl. 166—.5.

Dean, James T., W. Gravley, L. W. Randerson, and W. B. Brooks, to Mobil Oil Corp. System for determining drill-pipe torque. 3,417,611, 12–24–68, Cl. 73—136.

Dean, Lonnie N. Tarpaulin roller for aircraft luggage carrier. 3,383,133, 5–14–68, Cl. 296—98.

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Dean, Walter B., and H. M. Russell-French, to The Budd Co. Apparatus for forming tubing into helical configuration including a rotatable mandrel having track guide means. 3,415,092, 12–10–68, Cl. 72—144.

Dean, William A., and C. E. Fay, to Bell Telephone Laboratories, Inc. Four port ferrite circulator having slot symmetrically located between adjacent conducting arms. 3,377,570. 4–9–68, Cl. 333—1.1.

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Deane, Stanley W. Apparatus for the remote electronic control of vehicle speeds. 3,368,639, 2–13–68, Cl. 180—98.

De Angelis, Henry M., to United States of America, Air Force. Intensified radioactive sources and method of preparation. 3,380,853, 4–30–68, Cl. 117—212.

De Antoni, Jacques J. P., to Les Laboratoires Bruneau & Cie. Phenothiazine carboxylic acid derivatives. 3,375,248, 3–26–68, Cl. 260—243.

Dear, Robert E. A., and E. E. Gilbert, to Allied Chemical Corp. Fluorinated allenes and process for preparing same. 3,372,205, 3–5–68, Cl. 260—653.3.

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De Rycke, Douglas A. C., and Dear. 3,361,525.
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Dearborn, Howard K. Gun drill. Re. 26,452, 9–10–68, Cl. 77—68.

Dearborn, Robert J., to Warner Machine Products, Inc. Method of making sodium carboxymethyl cellulose. 3,375,245, 3–26–68, Cl. 260—231.

Deardorff, Clinton E., and E. J. Williams, to Primus Mfg., Inc. Measuring device. 3,378,929, 4–23–68, Cl. 33—125.

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Dearing, Clarence W., to American Flange & Mfg. Co., Inc. Container closure assembly. 3,393,823, 7–23–68, Cl. 220—39.

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Dearman, James R.: *See*—
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Dearsley, George, to American Machine & Foundry Co. Cigarette catching mechanism. 3,383,830, 5–21–68, Cl. 53—78.

Dearsley, George, to American Machine & Foundry Co. Cigarette packaging machinery. 3,397,922, 8–20–68, Cl. 302—2.

Deary, Louis, and S. W. Wirth, to Sylvania Electric Products Inc. Fabrication of image display screens. 3,380,826, 4–30–68, Cl. 96—36.1.

Deaton, Claire N. Well pumping system and related control. 3,398,690, 8–27–68, Cl. 103—25.

Deavenport, Joe E., and D. W. Sexton, to Weston Instruments, Inc. Digital volt meter. 3,375,351, 3–26–68, Cl. 235—92.

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De Back, William, to Castle & Cooke, Inc. Contour peeler. 3,382,900, 5–14–68, Cl. 146—6.

De Bakker, Petrus M., to North American Philips Co., Inc. Indirectly heated cathodes with filament support for use in electric discharge tubes. 3,366,827, 1–30–68, Cl. 313—270.

De Balsac, Raymond H., and D. Boyer. Valve. 3,417,777, 12–24–68. Cl. 137—525.

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De Beauchamp, Robert L., and T. A. Sullivan, to United States of America, Interior. Method of producing anhydrous chromous chlorine from chromium metal. 3,397,946, 8–20–68, Cl. 23—87.

De Beaumont, Henry, to Societe Pour l'Utilisation Rationnelle des Fluides. Thermodynamic process and apparatus. 3,387,773, 6–11–68, Cl. 230—172.

De Beausacq, Alfred R. Shoe-securing system for skis. 3,403,921, 10–1–68, Cl. 280—11.35.

De Bell, Arthur G., to North American Rockwell Corp. Blackbody radiating device with a protective hood. 3,419,709. 12–31–68, Cl. 219—553.

De Bell, Frederick D.: *See*—
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De Bell, John M., R. A. White, and P. L. Tarko, to De Bell & Richardson, Inc. Process for manufacture of impact polymers. 3,370,105, 2–20–68, Cl. 260—880.

De Bell, Lawrence R., to Centronics, Inc. Seismic survey interconnection system. 3,412,823, 11–26–68, Cl. 181—.5.

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De Bell, John M., White, and Tarko. 3,370,105.
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De Bella, Isabelle D. Urine measuring and analyzing device. 3,362,400, 1–9–68, Cl. 128—2.

De Bella, Isabelle D. Educational or teaching device for demonstrating the several actions of the lungs and blood vessels in a human body. 3,374,554, 3–26–68, Cl. 35—17.

De Bennetot, Michel C., to Corporation Societe d'Etudes et de Recherches, Magnetiques Sermag. Magnetic power transmission device. 3,368,092, 2–6–68, Cl. 310—103.

De Bennetot, Michel C., to Societe d'Etudes et de Recherches Magnetiques Sermag. Magnetic servosystem. 3,383,141, 5–14–68, Cl. 308—10.

De Benneville, Peter L., to Rohm & Haas Co. N-vinyl-2-piperazinones. 3,390,139, 6–25–68, Cl. 260—78.5.
De Benneville, Peter L., and L. J. Exner, to Rohm & Haas Co. Process for the preparation of cyclic sulfur compounds. 3,409,635, 11–5–68, Cl. 260—327.
De Bernard du Grail, Alain C. J. R., to AB Lars Ljungberg & Co. Apparatus for treating of biological preparations. 3,400,726, 9–10–68, Cl. 134—95.
De Biasi, Charles P. Hydraulic propulsion and braking system for vehicles or the like. 3,369,360, 2–20–68, Cl. 60—19.
De Biasi, Charles P. Auto kinetic wheel or fluid motor. 3,369,461, 2–20–68, Cl. 91—73.
De Biasi, Charles P. Rail transportation control system. 3,387,880, 6–11–68, Cl. 246—31.
Deblay, Jacques, to Compagnie Industrielle Francaise des Tubes Electroniques Societe Anonyme. Indirectly heated tubular cathodes. 3,378,717, 4–16–68, Cl. 313—337.
De Boer, Henri G. J., to N.V. Lichtdrukpapierfabriek DE Atlas. Method and apparatus for copying originals on diazotype material. 3,398,635, 8–27–68, Cl. 88—24.
De Bono, Edward F., to Airmed Ltd. Device for testing lung function. 3,367,324. 2–6–68, Cl. 128—2.08.
De Boo, Jerome L., to Teletype Corp. Printing telegraph tape reader. 3,392,237, 7–9–68, Cl. 178—17.
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Debrotnic, John S., V. B. Orn, and W. E. Young, to Technical Research Co. Identification tag implanting machine. 3,369,525, 2–20–68, Cl. 119—3.
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Blake, Edward S., De Brunner, and Webster. 3,369,064.
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De Bulgne, Frank. Power driven rotary mower. 3,382,653, 5–14–68, Cl. 56—25.4.
De Bulgne, Frank. Power driven rotary mower with pivotal handle. 3,411,276, 11–19–68, Cl. 56—25.4.
Debus, Erwin, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for improving the surface characteristics of cellulose hydrate films. 3,379,546, 4–23–68, Cl. 106—193.
Debus, Karl-Jürgen, to Linotype G.m.b.H. Photographic composing apparatus. 3,370,518, 2–27–68, Cl. 95—4.5.
Debye, Anne L., and B. Bjarngard, to Isotopes, Inc. Holder for releasably securing a shape-retaining dosimeter element during readout. 3,419,720. 12–31–68, Cl. 250—83.
Decarie, Alexander N. Adjustable roof drain guard. 3,392,844, 7–16–68, Cl. 210—463.
De Caro, Charles J., to United Shoe Machinery Corp. Devices for preventing drop-fire. 3,415,438, 12–10–68, Cl. 227—10.
De Carvalho, Sergio, to Rand Development Corp. Immunochromatographic partition of soluble antigens. 3,410,839, 11–12–68, Cl. 260—112.
De Castelbajac, Henri. Planting apparatus. 3,369,507, 2–20–68, Cl. 111—89.
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De Cat, Arthur H., M. H. Verbrugghe, and R. A. Roosen, to Gevaert Photo-Producten N.V. Photographic materials containing aroylacetanilide type color couplers. 3,369,899, 2–20–68, Cl. 96—74.
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Decaux, Raymond. Atomizer pump. 3,379,381, 4–23–68, Cl. 239—333.
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Phillipson, Alan, and Spiller. 3,406,264.
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Phillipson, Alan, Spiller, Smith, and Cheesman. 3,397,425.
Roberts, Graham E. 3,366,959.
De Cecco, Angelo L., D. E. Piccone, and I. Somos, to General Electric Co. Semiconductor rectifier with improved turn-on and turn-off characteristics. 3,408,545, 10–29–68, Cl. 317—235.
De Celis, Joseph W., to De Laval Turbine Inc. Separation tank and method. 3,419,145, 12–31–68, Cl. 210—84.
Dechaux, Charles C. E. Turbine propulsion-gas generator for aircraft and the like. 3,397,535, 8–20–68, Cl. 60—39.5.
De Chellis, Richard C., to United Engineering and Foundry Co. Debanding device for rolled coils. 3,377,687, 4–16–68. Cl. 29—200.
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Deck, Fritz, and N. Keim. Paint roller. 3,369,269, 2–20–68, Cl. 15—230.11.
Deck, Fritz, and N. Keim. Device for painting areas which terminate in sharply defined edges. 3,401,418, 9–17–68, Cl. 15—166.
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Muller, Johann. 3,361,033.
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Decker, Dalton L., to The Dow Chemical Co. α-(2,2-dichloroethyl)styrene. 3,391,203, 7–2–68, Cl. 260—651.
Decker, Desmond E., to The Taylor-Winfield Corp. Induction annealing of strip joints. 3,384,732, 5–21–68, Cl. 219—97.
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Decker, Maurice S., Jr., and H. R. Hillier, to Midland-Ross Corp. Flange and backup ring for a conduit joint. 3,406,991, 10–22–68, Cl. 285—408.
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Decker, Robert E., to Westinghouse Electric Corp. Coaxial magnetron having attenuator means for suppressing undesired modes. 3,395,314, 7–30–68, Cl. 315—39.75.
Decker, Robert M., R. Jehle, and S. K. Veisel, to United States of America, Navy. Apparatus for the measurement of plateau slope of Geiger-Muller tubes. 3,379,966, 4–23–68, Cl. 324—24.
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Faber, Elmer L. 3,386,415.
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Decof, Donald N., to Farrington Business Machines Corp. Identification and printing devices. 3,388,661, 6–18–68, Cl. 101—369.
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De Corso, Serafino M., to Westinghouse Electric Corp. Nonconsumable annular fluid-cooled electrode for arc furnaces. 3,369,067, 2–13–68, Cl. 13—18.
De Corso, Serafino M., to Westinghouse Electric Corp. Electrode fuse protector. 3,389,209, 6–18–68, Cl. 13—18.
De Corso, Serafino M., and C. B. Wolf, to Westinghouse Electric Corp. Electrode and electrode tip for use therein. 3,368,018, 2–6–68, Cl. 13—18.
De Corso, Serafino M., and C. B. Wolf, to Westinghouse Electric Corp. Non-consumable electrode. 3,368,019, 2–6–68, Cl. 13—18.
De Corso, Serafino M., and C. B. Wolf, to Westinghouse Electric Corp. Contact ring and seal. 3,368,020, 2–6–68, Cl. 13—18.
DeCorso, Serafino M., and L. A. Kilgore, to Westinghouse Electric Corp. ARC rotation detector. 3,371,141, 2–27–68, Cl. 13—9.
De Corso, Serafino M., G. A. Kemeny, and C. B. Wolf, to Westinghouse Electric Corp. Small diameter fluid cooled arc-rotating electrode. 3,377,418, 4–9–68, Cl. 13—9.

De Corso, Serafino M., and C. B. Wolf, to Westinghouse Electric Corp. Nonconsumable arc electrode. 3,398,229, 8–20–68, Cl. 13—18.
De Corta, Hubert, to Lorraine-Escaut. Production of seamed metal tubes. 3,366,767, 1–30–68, Cl. 219—8.5.
De Corta, Hubert, to Firma Friedrich Kocks. Method and apparatus for heating cylindrical element. 3,368,060, 2–6–68, Cl. 219—155.
De Corta, Hubert, to F. Kocks. Device for trimming the edge of metal strip. 3,377,896, 4–16–68, Cl. 83—3.
Decoto Brothers Irrigation Division, Inc.: *See*—
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Decoto, Henry, and L. O. Johnson, to Decoto Brothers Irrigation Division, Inc. Irrigation system. 3,385,315, 5–28–68, Cl. 137—344.
De Courville, Jacqueline B. Sorting apparatus for collecting common address data from an original memory in which unsorted data and addresses are registered. 3,382,486, 5–7–68, Cl. 340—172.5.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Eddy current-type devices for automatically controlling gear changes on vehicles. 3,364,795, 1–23–68, Cl. 74—858.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Sliding roofs of vehicles and control and locking device therefor. 3,372,954, 3–12–68, Cl. 296—137.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Automatic speed-changing mechanism for automobile vehicles. 3,374,693, 3–26–68, Cl. 74—865.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Vehicle attitude correcting devices. 3,374,848, 3–26–68, Cl. 180—41.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Method of and means for balancing rotary engines. 3,377,846, 4–16–68, Cl. 73—66.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Combustion chamber for rotary piston engine. 3,377,995, 4–16–68, Cl. 123—8.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Variable speed friction transmissions for vehicles. 3,387,507, 6–11–68, Cl. 74—796.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Radial seals of rotary engines. 3,387,539, 6–11–68, Cl. 91—56.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Air-conditioning devices for vehicles. 3,387,549, 6–11–68, Cl. 98—2.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Method of electrodepositing micro-crack chromium coatings. 3,388,049, 6–11–68, Cl. 204—29.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Mounting of the camshaft in an overhead camshaft engine. 3,388,614, 6–18–68, Cl. 74—567.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Rotary air-conditioning devices for automotive and other vehicles. 3,392,535, 7–16–68, Cl. 62—3.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Sun visors for vehicles. 3,401,976, 9–17–68, Cl. 296—97.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Hydropneumatic apparatus for measuring volume variations of a cavity from a standard. 3,402,602, 9–24–68, Cl. 73—149.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Rear wheels suspension systems for motor vehicles. 3,402,940, 9–24–68, Cl. 280—124.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Voltage-multiplying, alternating-pulse circuits, notably for the ignition system of internal combustion engines. 3,403,295, 9–24–68, Cl. 315—239.
De Coye de Castelet, Gaëtan, to Regie Nationale des Usines Renault. Mechanical control devices. 3,403,574, 10–1–68, Cl. 74—471.
De Coye de Castelet, Gaëtan, to Regie Nationale des Usines Renault. Control devices acting as a function of frequency and of at least one auxiliary parameter. 3,403,587. 10–1–68, Cl. 74—866.
De Coye de Castelet, Gaëtan, to Regie Nationale des Usines Renault. Automatic transmission control circuit. 3,403,747, 10–1–68, Cl. 180—105.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Air heaters. 3,406,745, 10–22–68, Cl. 165—40.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Variable-reluctance deceleration detectors. 3,414,335, 12–3–68, Cl. 303—21.
De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Internal-combustion engines. 3,416,501, 12–17–68, Cl. 123—30.
Decupper, Jean J. E. A., to Detec S.A. Ultra-violet ray sterilizers. 3,418,069, 12–24–68, Cl. 21—74.
Deddo, Daniel G. Awning construction. 3,360,886, 1–2–68, Cl. 49—71.
Deddo, Daniel G., and S. C. Oakley. Air circulation and filter system. 3,376,805, 4–9–68, Cl. 98—115.
Dederick, Clinton H.: *See*—
Royer, Neal B., Dederick, and Lewis. 3,378,709.
Dedian, Charles. Threadless pipe connection system. 3,402,946, 9–24–68, Cl. 285—236.
Dedoes, Arnold A. Barbecue fan and fire quenching accessory. 3,362,586, 1–9–68, Cl. 222—103.
Dedow, Joachim, to Apparatebau Rothemuhle Brandt & Kritzler. Regenerator for a regenerative heat exchanger. 3,369,592, 2–20–68, Cl. 165—10.
Dedrick, Dallas S., to Weyerhaeuser Co. Kiln drying process. 3,404,464, 10–8–68, Cl. 34—26.
Dedricks, Alvin N., and R. H. Swanson, to The Manitowoc Co., Inc. Spray type icemaker with overflow drain. 3,407,621, 10–29–68, Cl. 62—188.
De Dube, Bret P., Jr. Seeking switch remote motor control wherein each position is uniquely encoded by 2 N conductors and 2 N non-conductors. 3,406,322, 10–15–68, Cl. 318—33.
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Von Drasek, Joseph O., Todd, and Skonieczny. 3,385,552.
Dee, William C. Air bearings for the turbines of dental drills and the like. 3,391,902, 7–9–68, Cl. 253—2.
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Deeg, Karl: *See*—
Winkler, Alfred, Hofmann, and Deeg. 3,395,474.
Deeg, Karl, and W. Hofmann, to Agfa-Gevaert Aktiengesellschaft. Slide projector. 3,395,473, 8–6–68, Cl. 40—79.
Deeg, Reinhard, to International Standard Electric Corp. Arrangement for effecting the optional in-and-out movement of guide pins on typewriter platens. 3,410,469, 11–12–68, Cl. 226—81.
Deeg, Theodor, to Siemens Aktiengesellschaft. Device for magnetic-pulse forming of metallic workpieces. 3,391,558, 7–9–68, Cl. 72—56.
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Cookson, Cecil T., and Deelman. 3,390,710.
Deemle, Gerald W., I. H. Sage, S. Komsa, A. Rakus, and R. W. Yocum, to Caterpillar Tractor Co. Disconnect drive for inertial welder spindle. 3,380,641, 4–30–68, Cl. 228—2.
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Curtis, Charles D., and Bichel. 3,410,064.
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Hansen, Harold V. 3,372,657.
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Hanser, Paul E. 3,415,327.
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Hubbard, Arthur L. 3,417,553.
Hyland, William A. 3,394,668.
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Lemons, David F. 3,375,734.
Lohrman, William V. 3,376,050.
Love, Mahlon L. 3,375,738.
Markham, David R. 3,388,538.
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Sanderson, Leon F., Hook, and McCunn. 3,397,522.
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Deering, Christopher P., and J. P. Monahan. Magnetic ball racker. 3,368,810, 2–13–68, Cl. 273—11.
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Davis, Thomas A., and Gutierrez. 3,382,553.
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Machell, Greville. 3,395,970.
Marco, Francis W. 3,377,249.
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Deering, Roland F., to Union Oil Co. of California. Shale retorting process. 3,361,644, 1–2–68, Cl. 201—29.
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Dee Waard, John, to Creative Monitor, Inc. Infant training chair. 3,364,478, 1–16–68, Cl. 340—272.
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Deex, Oliver de S., and J. D. Gabbert, to Monsanto Co. Process for the preparation of polyethylene emulsions. 3,380,945, 4–30–68, Cl. 260—29.6.
Deex, Oliver de S., and C. E. Miles, to Monsanto Co. Stabilization of ethylene/vinyl chloride latics. 3,399,157, 8–27–68, Cl. 260—29.6.
De Falco, Nicola. Perambulator adapted to be converted into a stroller and capable of allowing several attitudes for the baby's body. 3,402,939, 9–24–68, Cl. 280—47.38.
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De Fex, Jesus A. Postage stamp vending machine. 3,410,383, 11–12–68, Cl. 194—2.
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Sapp, Hubert B., Jr., Deffenbaugh, and Merkel. 3,369,468.
Deffner, John F., to Gulf Research & Development Co. Gasoline composition. 3,374,072, 3–19–68, Cl. 44—58.
Deffrenne, Paul, to Mecanorga S.A. Apparatus for maintaining clearances in fluid designs substantially constant. 3,403,948, 10–1–68, Cl. 308—122.
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Defibrator Aktiebolag: *See*—
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Asplund, Arne J. A., and Cederquist. 3,388,037.
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Carpenter, Clifford L., and de Filippi. 3,370,102.
Defiandre, Rene, to Societe Derefa, Etablissement pour le Developpement, Recherches et Fabrications Industrielles. Movable control boxes for controlling machine tools. 3,373,420, 3–12–68, Cl. 840—324.
Defiandre, Rene, to Societe Derefa, Etablissement pour le Developpement Recherches et Fabrications Industrielles. Milling and boring machine having a rotary tailstock. 3,386,146, 6–4–68, Cl. 29—26.
Defiandre, Rene, to Societe dite: Derefa, Etablissement pour le Developpement Recherches et Fabrications Industrielles. Machine-tool for bidirectional copying parts of revolution. 3,391,605, 7–9–68, Cl. 90—13.
De Flines, Jan, and W. F. van der Waard, to Koninklijke Nederlandsche Gist- en Spiritusfabriek N.V. Process for the microbiological side chain degradation of 9β,10α-pregnane-20-ones. 3,395,079, 7–30–68, Cl. 195—51.
De Flines, Jan, and W. F. van der Waard, to Koninklijke Nederlandsche Gist- en Spiritusfabriek N.V. Process for microbiological side chain degradation of steroids of the pregnane series. 3,407,118, 10–22–68, Cl. 195—51.
De Flines, Jan, and W. F. van der Waard, to Koninklijke Nederlandsche Gist- en Spiritusfabriek NV. 9β,10α-steroids and methods of producing the same. 3,407,119, 10–22–68, Cl. 195—51.
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De Flon, James G., to De Flon-Anderson Co., Inc. Cooling tower fill bar. 3,389,895, 6–25–68, Cl. 261—111.
De Foras, Joseph. Flexible wing aircraft. 3,361,389, 1–2–68, Cl. 244—49.
De Ford, Donald D., to Phillips Petroleum Co. Zener diodes balancing circuit. 3,412,268, 11–19–68, Cl. 307—318.
De Forest, Charles R. Positive locking drain plug. 3,400,683, 9–10–68, Cl. 114—185.
De Forest, Elbert M., W. C. Bradbury, and T. W. Royer, to Vulcan Detinning Division. Tin recovery. 3,394,061, 7–23–68, Cl. 204—120.
De Forest, Taber. Self-aligning screw driver. 3,393,721, 7–23–68, Cl. 145—50.
De Forest, Wesley V., to Robertshaw Controls Co. Thermostatic control device using a hall plate. 3,405,870, 10–15–68, Cl. 236—78.
De France, Henri, and R. R. Cahen, to CFT-Compagnie Francaise de Television. Convergence system for a tricolor, three-gun television tube. 3,363,128, 1–9–68, Cl. 313—77.
De France, Henri, and R. R. Cahen, to Compagnie Francaise de Television. Colour tube with triplet phosphor strips making 40° to 70° angle with horizontal. 3,363,129, 1–9–68, Cl. 313—92.
De France, Henri, and R. Cahen, to Compagnie Francaise de Television. Three gun color tube with central gun of smaller cross-section than lateral guns. 3,393,336, 7–16–68, Cl. 313—70.
De Francis, Dominick J., J. M. Fooks, and L. T. Staats, Sr. Apparatus for stapling sheets intopads. 3,380,639, 4–30–68, Cl. 227—4.
De Frank, William, to C. H. Stuart & Co., Inc. Lid scoop. 3,380,307, 4–30–68, Cl. 73—427.
De Frees, Anne S.: *See*—
De Frees, Joseph H. 3,415,486.
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De Frees, Joseph H. Gate valve. 3,377,049, 4–9–68, Cl. 251—329.
De Frees, Joseph H., to J. (De Frees) Heelan. Valve. 3,392,956, 7–16–68, Cl. 251—144
De Frees, Joseph H., to J. De Frees Heelan. Control valve for an outlet port in a fluid storage tank. 3,405,731, 10–15–68, Cl. 137—561.
De Frees, Joseph H., to A. S. De Frees. Spring biased tank outlet valve. 3,415,486, 12–10–68, Cl. 251—63.6.
Defrenne, Paul C. F., to Mecanorga S.A. Bearing and the like carrier means for movable members. 3,395,952, 8–6–68, Cl. 308—122.
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De Gaetano, Joseph F., to Tenneco Chemicals, Inc. Pesticidal compounds and their use. 3,371,107, 2–27–68, Cl. 260—465.
De Gain, William J. Fluid power control system and components. 3,361,881, 1–2–68, Cl. 200—81.4.
De Gain, William J. Apparatus for securing ends of flat strip material. 3,411,469, 11–19–68, Cl. 113—1.
De Gain, William J., to Koppy Tool Corp. Shock absorbing structural member. 3,412,628, 11–26–68, Cl. 74—492.
De Gaston, Raoul H., to H. L. Valette. Chair-adjusting means. 3,406,517, 10–22–68, Cl. 60—52.
De Gaugue, Charles L. E., to Johns-Manville Corp. Brake block compositions comprising vulcanized halogenated butyl rubber. 3,390,113, 6–25–68, Cl. 260—23.7.
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De Graaf, Wilhelmus P.: *See*—
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De Graff, Peter C.: *See*—
Buzenberg, Robert J., and De Graff. 3,369,762.
De Grande, Robert S., to Kollsman Instrument Corp. Monitoring device for servo systems. 3,412,280, 11–19–68, Cl. 318—18.
De Grange, Charles J., and S. F. Gobla, to United States Steel Corp. Method for removing thiophenes from light oil with sulfuric acid. 3,376,217, 4–2–68, Cl. 208—224.
De Grave, Charles J., Jr., and K. A. Snow, to Bausch & Lomb Inc. Cuvette assembly. 3,391,598, 7–9–68, Cl. 88—14.
De Gray, Richard J., and J. S. Mann, to The Standard Oil Co. Gasoline fuel composition. 3,377,148, 4–9–68, Cl. 44—63.
De Greef, Jan A. Device and method for sorting in size agricultural or horticultural products. 3,412,857, 11–26–68, Cl. 209—105.
De Groff, Kenneth C. Lighting system for photography. 3,378,678. 4–16–68, Cl. 240—1.3.
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De Groot, Loren E., J. A. Parini, A. R. Van Koevering, W. F. Roth, and R. A. Racy, to Lear Siegler, Inc. Integrated navigation receiver-computer. 3,375,520, 3–26–68, Cl. 343—103.
De Groot, Loren E., J. A. Parini, A. R. Van Koevering, W. F. Roth, and R. A. Racy, to Lear Siegler, Inc. Doppler compensated navigation system. 3,375,521, 3–26–68, Cl. 343—103.
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Deguy-Conge & Cie: *See*—
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Deguy, Michel J. L., to Deguy-Conge & Cie. Pliers for external circlips. 3,371,401, 3–5–68, Cl. 29—229.
De Haan, Edward F., P. P. M. Schampers, and J. H. N. van Vucht, to North American Philips Co., Inc. Method of manufacturing a photoresponsive device comprising a photoresponsive PbO layer. 3,372,056, 3–5–68, Cl. 117—200.
De Haan, Edward F., and J. Haantjes, to North American Philips Co., Inc. Television camera tube employing a photosensitive target with a transparent member for absorbing reflected light from the target. 3,376,446, 4–2–68, Cl. 313—65.
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Poels, Jan P., Sevens, and De Haes. 3,383,211.
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De Haes, Louis M., and J. F. Willems, to Gevaert Photo-Producten N.V. Photographic materials producing a color change by reacting a metal salt with tetrahydroquinoline. 3,397,983, 8–20–68, Cl. 96—29.
De Hart, Edward G., and M. D. Allen, to De Haart, Inc. Syringe with stirrer. 3,373,906, 3–19–68, Cl. 222—235.
De Hart, Larry L., and S. J. Speer, to General Dynamics Corp. Packaging, mixing and dispensing apparatus. 3,376,999, 4–9–68, Cl. 222—135.
De Havilland Aircraft Co. Ltd., The: *See*—
Watts, Frederick T. 3,363,859.
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Dehn, Frederick C., and W. L. Deppe, to Pittsburgh Plate Glass Co. Method of recovering high purity ethylene dichloride from ethylene dichloride gas stream. 3,378,597, 4–16–68, Cl. 260—652.
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Dehn, Joseph W., Jr., H. J. Kuhefuss, and P. Resnick to Interchemical Corp. Anthraquinone dyed polypropylene fibers. 3,409,385, 11–5–68, Cl. 8—39.
Dehn, Joseph W., Jr., and H. J. Kuhefuss, to Interchemical Corp. Substituted 1,5-dihydroxy-4-anilino-8-nitroanthroquinone dyes for polypropylene. 3,362,966, 1–9–68, Cl. 260—380.
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Della Vite, Romuald R., to Societe anonyme dite: Societe Francaise d'Etiquetage Virey & Garnier. Apparatus for applying labels to bottles. 3,407,108, 10–22–68, Cl. 156—458.
Dellenbaugh, Frederick S., III, to Consolidated Electrodynamics Corp. Phase sensitive bi-stable latching circuit using a single transistor. 3,366,806, 1–30–68, Cl. 307—262.
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Dellinger, Thomas B., to Fenix & Scisson, Inc. Devices for determining whether a large diameter drilled hole will accept casing. 3,364,464, 1–16–68, Cl. 340—18.
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Delnay, Robert L., L. F. Grill, and J. L. Holst, to United States of America, Atomic Energy Commission. Fluorocarbon-lined glovebox. 3,410,619, 11–12–68, Cl. 312—1.
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Deloffre, Leon E., to Forges et Ateliers de La Nave, and Etudes et Recherches Industrielles et Scientifiques E.R.I.S. Propping frame for mining galleries. 3,395,542, 8–6–68, Cl. 61—45.
De Lonais, Melvin D. Hunting arrow with hollow shaft. 3,393,912, 7–23–68, Cl. 273—106.5.
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De Long. George E., to Johns-Manville Corp. Method and apparatus for introducing a flocculating agent to an asbestos-cement slurry to control the thickness of the sheet used in winding to form a pipe. 3,368,936, 2–13–68, Cl. 162—118.

De Long, Robert J., R. D. Johnson, and B. A. Paine, to Spectrol Electronics Corp. Movable electrical contact carrier block for potentiometers. 3,371,305, 2–27–68, Cl. 338—202.

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De Lord, Jean F., and R. W. Nelson, to Tektronix, Inc. Cathode ray tube employing electron mirror. 3,412,282, 11–19–68, Cl. 315—30.

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De Luca, Frank, to American Bosch Arma Corp. Fuel injection nozzle. 3,387,790, 6–11–68, Cl. 239—453.

DeLuca, Frank, and T. S. Chmura, to American Bosch Arma Corp. Auxiliary filling means for fuel injection pumps. 3,371,610, 3–5–68, Cl. 103—2.

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DeLucia, Clement A. Stabilimeter. 3,398,581, 8–27–68, Cl. 73—379.

De Lucia, John J., J. W. Dehn, Jr., and R. A. Pizzarello, to Interchemical Corp. Disazo pyrazolone pigments. 3,366,619, 1–30–68, Cl. 260—161.

De Lucia, John J., and R. A. Pizzarello, to Interchemical Corp. Monoazo pigments and textiles decorated therewith. 3,399,077, 8–27–68, Cl. 117—121.

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Deman, Pierre, and A. Lukasiewicz, to Compagnie Francaise Thomson Houston-Hotchkiss Brandt. Angle-lock signal processing system including a digital feedback loop. 3,411,103, 11–12–68, Cl. 331—17.

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De Maria, Anthony J., to United Aircraft Corp. Poly-sided folded path laser. 3,361,987, 1–2–68, Cl. 331—94.5.

De Maria, Anthony J., to United Aircraft Corp. Gating system for high power laser cascade. 3,389,348, 6–18–68, Cl. 331—94.5.

De Maria, John, and H. A. Bentzinger, to Chemical Products Corp. Printing plate alignment device. 3,389,477, 6–25–68, Cl. 33—184.5.

De Marinis, Joseph V., and C. B. Neal, to Sylvania Electric Products Inc. Circuitry for electron devices having output to input feedback signal coupling. 3,404,225, 10–1–68, Cl. 178—7.3.

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De Moss, Dean L., D. P. Gregg, and W. R. Johnson, to Minnesota Mining and Mfg. Co. Reproduction of television signals from photographic disc recordings. 3,381,086, 4-30-68, Cl. 178—7.1.
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Denes, Peter A., J. L. Haydu, and E. S. Leszt, to Allen-Bradley Co. Electric switch with contact protector. 3,395,316, 7-30-68. Cl. 317—11.
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Denney, Raymond E., and R. G. Cox, to Acroquip Corp. Tank coupling. 3,379,226. 4–23–68, Cl. 141—207.
Dennis, Clarence A. Construction apparatus. 3,363,874, 1–16–68, Cl. 249—17.
Dennis, David D., P. F. Swenson, and P. F. Swenson, Jr., to Swenson Research, Inc. Fuel-fired heat pump system. 3,400,-554, 9–10–68, Cl. 62—238.
Dennis, Donald I., and J. H. Michael. Air diffuser. 3,388,655, 6–18–68, Cl. 98—40.
Dennis, Emery W., E. W. McChesney, and A. R. Surrey, to Sterling Drug, Inc. 7-chloro-4-[4-(2-hydroxyethylamino)-1-methylbutylamino]quinoline; anti-inflammatory compositions and method using same. 3,415,932, 12–10–68, Cl. 424—258.
Dennis, Howard L., to Houdaille Industries, Inc. Apparatus for manufacturing pre-tensioned concrete slabs. 3,401,438, 9–17–68, Cl. 25—1.
Dennis, Jack B.: *See*—
Chang, Karl, and Dennis. 3,365,712.
Dennis, James K., and V. Draugelis, to Xerox Corp. Sensor gauge. 3,396,963, 8–13–68, Cl. 271—64.
Dennis, James T. Automatic record changer with single record play facilities. 3,408,081, 10–29–68, Cl. 274—10.
Dennis, James T. Automatic record changer. 3,411,791, 11–19–68, Cl. 274—10.
Dennis, Jerome E.: *See*—
Immarco, Anthony, and Dennis. 3,409,781.
Dennis, John L.: *See*—
Fine, Laughton T., and Dennis. 3,389,327.
Fine, Laughton T., Dennis, and Bay. 3,397,324.
Dennis, John M., and M. Rossnan. Apparatus for and methods of treating bivalves. 3,418,138, 12–24–68, Cl. 99—158.
Dennis, Marcus V.: *See*—
Ewing, Foster G., Bidrawn, Lanis, Wheeler, and Dennis. 3,371,018.
Dennis, Tom L., Jr.: *See*—
Bruene, Warren B., Dennis, and Schoenike. 3,413,570.
Dennison, Carroll R. Pencil lead sharpener. 3,405,747, 10–15–68, Cl. 145—3.8.
Dennison, Henry F., to Westinghouse Brake and Signal Co. Ltd. Check-out device. 3,383,504, 5–14–68, Cl. 246—249.
Dennison, John J., to Maxson Electronics Corp. Lighted push-button assembly. 3,394,403, 7–23–68, Cl. 200—167.
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Austin, Charles C. 3,408,931.
Bone, Arnold R. 3,366,050.
Bone, Arnold R. 3,379,128.
Dudley, John S. 3,415,183.
Kirk, Fred J. 3,380,122.
Merser, Francis G. 3,399,432.
Merser, Francis G. 3,402,435.
Reade, Kemp B. 3,383,029.
Rydman, Carl E. 3,367,264.
White, Kenneth J. 3,415,182.
Yang, Peter Q., and White. 3,399,940.
Dennison, Robert C., to Radio Corp. of America. Delay compensation circuit arrangement. 3,368,035. 2–6–68, Cl. 178—69.5.
Dennison, William G., to Cutler-Hammer, Inc. Positive engagement latch for a push button actuator with local and remote release. 3,413,578, 11–26–68, Cl. 335—167.
Dennisson, Alan C.: *See*—
Silver, Howard B., and Dennisson. 3,367,869.
Denniston, James L.: *See*—
Cichy, Daniel R., Denniston, and MacKay. 3,369,781.
Denny, Robert I.: *See*—
Hale, Ralph D., Lowrey, Denny, and Wedman. 3,402,536.
Denny, Thomas A., to Johnson & Johnson. Sterile surgical package. 3,403,776, 10–1–68, Cl. 206—56.
Denora, Reta G. Sewing machine with vacuum-operated means. 3,382,828, 5–14–68, Cl. 112—218.
De Noyer, Donald B., and C. B. McNabb, to Beloit Corp. Doctor back. 3,387,317, 6–11–68, Cl. 15—256.51.
Densen, Paul: *See*—
Greene, Abbot, and Densen. 3,394,862.
Densmore, Neal W., to Joy Mfg. Co. Mining apparatus and method. 3,362,752, 1–9–68, Cl. 299—18.
Densmore, Ozro K., ½ to H. J. Baer. Diving board with adjustable spring bias means. 3,362,708, 1–9–68, Cl. 272—66.
Denss, Rolf: *See*—
Clauson-Kaas, N., Denss, Ostermayer, and Renk. 3,410,-852.
Kuhnis, Hans H., Ryf, and Denss. 3,366,638.
Kuhnis, Hans H., Ryf, and Denss. 3,399,206.
Kuhnis, Hans H., Ryf, and Denss. 3,408,357.
Dent, Frederick J., and G. Percival, to The Gas Council. Treatment of hydrocarbon containing oils. 3,415,634, 12–10–68, Cl. 48—213.
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Strauss, Walter S., and Shedlarski. 3,411,755.
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Mazzolini, Corrado, and Denti. 3,388,445.
Mazzolini, Corrado, and Denti. 3,395,111.
Mazzolini, Corrado, Denti, and Curti. 3,388,031.
Denti, Francesco, and V. R. Viscontini, to Chatillon Societa Anonima Italiana per le Fibre Tessili Artificiali S.p.A. Apparatus for the wet extrusion of solutions of polymers of vinyl chloride exhibiting a high degree of syndiotacticity. 3,389,-428, 6–25–68, Cl. 18—8.
Dentin Mfg. Co.: *See*—
Crowe, Robert W. 3,414,301.
Fossler, Ralph L., and Kruissink. 3,385,239.
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Anderson, Gus L. 3,406,451.
Heathe, William R. 3,380,162.
Saffir, Jacob A. 3,373,743.
Saffir, Jacob A. 3,374,353.
Spinello, Ronald P. 3,411,213.
Denton, Bethel E., to Radio Corp. of America. Regulated high voltage D.C. power supply. 3,375,436, 3–26–68, Cl. 323—22.
Denton, James B., and B. J. Skuda, to Benton Williams, Co., Inc. Closure apparatus. 3,386,489, 6–4–68, Cl. 160—25.
Denton, Richard T.: *See*—
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Denton Robert M., G. P. Holt, Jr., and R. Wilson. Firecracker shooter. 3,412,497, 11–26–68, Cl. 42—54.
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Denver Creel, Inc.: *See*—
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Denver Equipment Co.: *See*—
Daman, Arthur C. 3,365,177.
Daman, Arthur C. 3,402,896.
Daman, Arthur C., Jr., and Ahlborg. 3,393,803.
Logue, Leland H. 3,363,580.
Logue, Leland H. 3,379,415.
Logue, Leland H., and Daman. 3,393,802.
Schryver, Floyd D. 3,371,791.
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Kusserow, Howard F. 3,381,841.
Denyes, Richard T. Hose and clamp preassembly. 3,365,218, 1–23–68, Cl. 285—253.
De Nygorden, Per J. B., and L. A. Perrenod, to Institute of Natural Sciences, Inc. Incandescent electric lamp. 3,364,-377, 1–16–68, Cl. 313—272.
Denzler, Emil, to H. A. Schlatter A.G. Welding machine for metal grids. 3,419,699. 12–31–68. Cl. 219—56.
De Oliveira, Luiz R., to Magnesita S.A. Adjustable keystone assembly of molded refractory material for arches, walls and the like. 3,396,504, 8–13–68, Cl. 52—575.
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De Paolo, Gary J.: *See*—
Miller, Lewis F., and De Paolo. 3,414,417.
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De Parry, Theodore, to Automatic Electric Laboratories, Inc. Polarized reed relay wherein the permanent magnet is around the reed switch and in contact with the coil. 3,400,-348, 9–3–68, Cl. 335—153.
De Pas, Laddie A., to Whirlpool Corp. Cord reel apparatus. 3,409,246, 11–5–68, Cl. 242—107.
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Ardire, Francis J., and De Pasquale. 3,407,781.
De Penning, Harold E. Combination tractor exhaust pipe cover and reflector. 3,363,537, 1–16–68, Cl. 98—59.
De Penti, Kenneth L., to Midland-Ross Corp. Car coupler with reversible lock-set. 3,367,516, 2–6–68, Cl. 213—100.
De Penti, Kenneth L., to Midland-Ross Corp. Retractable trainline connector apparatus. 3,387,715, 6–11–68, Cl. 213—1.3.
De Penti, Kenneth L., to Midland-Ross Corp. Car coupler anti-creep mechanism. 3,387,716, 6–11–68, Cl. 213—100.
Depetris, Giovanni: *See*—
Depetris, Lorenzo and G. 3,405,415.
Depetris, Lorenzo and G., to Smyth Europea S.p.A. Book covers manufacturing machine. 3,405,415, 10–15–68, Cl. 11—2.
De Pietro, Walter, to Aktiengesellschaft Brown, Boveri & Cie. Method of and apparatus for prevention of deposits of contaminants in the flow path of turbo-compressors. 3,369,533, 2–20–68, Cl. 123—119.

De Podesta, Frank B., G. T. Innes, C. M. Burt, and D. E. Kullgren, to Paragon Bridge & Steel Co. Railway carrier for automotive vehicles. 3,370,552, 2–27–68, Cl. 105—368.
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Deppe, William L.: *See*—
Dehn, Frederick C., and Deppe. 3,378,597.
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Depperman, Warren B.: *See*—
Richards, Edward F., Depperman, and McKenzie. 3,399,-829.
Depping, Carl L. Airflow helmet. 3,413,972, 12–3–68, Cl. 128—142.7.
Deprez, Charles, R. Bulte, deceased (by F. Bulte, rightful heir), and R. Crabbe. Method for automatic regulation of the distance between electrodes in electrolytic cells for a mobile cathode. 3,361,654, 1–2–68, Cl. 204—99.
De Pugh, Chauncey C.: *See*—
Elkin, Harold L., De Pugh, and Schwartz. 3,412,050.
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De Pung, Gary L., and L. A. Haddock, Jr., to Clark Equipment Co. Safety device for a vehicle. 3,411,060, 11–12–68, Cl. 318—283.
De Quiros, Julio G. B., to Messen-Jaschin, G.A. Differential measuring rectifier. 3,402,354, 9–17–68, Cl. 328—146.
De Raedt, Egide J. H., and R. P. De Graeve, to International Standard Electric Corp. Two-cordinate lock-out circuit. 3,366,849, 1–30–68, Cl. 317—157.
De Raucourt, Francois. Temperature controlled closure. 3,403,-472, 10–1–68, Cl. 49—21.
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Borgella, Albert, and De Raveton. 3,405,792.
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Derbyshire, Rodney L., and F. W. Schernig, to Raychem Corp. Production of irradiated material. 3,387,065, 6–4–68, Cl. 264—22.
Derc, Roman, to English Electro-Leo-Marconi Computers Ltd. Data printing apparatus. 3,374,402, 3–19–68, Cl. 317—148.5.
D'Ercoli, Giancinto C.: *See*—
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Derderian, George. Turbomachine. 3,365,892, 1–30–68, Cl. 60—269.
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De Regnaucourt, Robert A., and W. E. Brownell, to The Dayton Steel Foundry Co. Rim mounting. 3,382,007, 5–7–68, Cl. 301—13.
Deregt, Maurits P. Negabinary adders and subtractors. 3,389,-245, 6–18–68, Cl. 235—175.
Dereich, John E., to Neville Chemical Co. Resinous compositions from alkyl glycidyl ethers and furfuryl alcohol-cyclic olefin copolymers and their use as epoxy resin diluents. 3,366,595, 1–30–68, Cl. 260—33.6.
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Derenski, David J., to Teletype Corp. Telegraph transmitter control circuit. 3,419,671, 12–31–68, Cl. 178—3.
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Dergachev, Petr P., and N. I. Chetverukhin. Braiding machine. 3,362,283, 1–9–68, Cl. 87—33.
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Derham, Leslie J., and J. Marriott, to Imperial Smelting Corp. (N.S.C.) Ltd. Production of zinc oxide. 3,413,088, 11–26–68, Cl. 23—148.
Derhammer, Eli. Automatic safety cut-off valve. 3,381,933, 5–7–68, Cl. 251—73.
De Ridder, Ernst J., to Reynolds Metals Co. Railway car door operating mechanism. 3,373,700, 3–19–68, Cl. 105—240.
De Ridder, Ernst J., to Reynolds Metals Co. Gondola bottom door actuating and latching mechanism. 3,391,653, 7–9–68, Cl. 105—240.
De Ridder, Ernst J., to Reynolds Metals Co. Method of providing an enlarged end on a member. 3,406,443, 10–22–68, Cl. 29—472.3.
De Ridder, Ernst J., and W. B. McMullin, to Reynolds Metals Co. Sectional transformer housing. 3,361,867, 1–2–68, Cl. 174—52.
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Bishop, Thomas D. 3,391,589.
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Dernbach, Anthony F., to United Aircraft Corp. Portable beam generator. 3,392,260, 7–9–68, Cl. 219—121.
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De Rocca, Lucio, and J. F. X. Pouchelle, to Sud-Aviation Societe Nationale de Constructions Aeronautiques. Power transmitting mechanisms, and applications thereof, more particularly to helicopters. 3,362,255, 1–9–68, Cl. 74—665.
De Rochemont, John F., to Baker Oil Tools, Inc. Well bore packer. 3,414,058, 12–3–68, Cl. 166—120.
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Deron, Inc.: *See*—
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De Rooij, Abraham H., and J. Elmendorp, to Stamicarbon N.V. Process for recovering phosphoric acid from aqueous solutions containing nitric acid and phosphoric acid. 3,363,-978, 1–16–68, Cl. 23—165.
De Rooij, Abraham H., and J. Elmendorp, to Stamicarbon N.V. Process for the recovery of free sulfuric acid from ammonium bisulfate. 3,364,202, 1–16–68, Cl. 260—239.3.
De Rooij, Abraham H., and P. A. M. Aggenbach, to Stamicarbon N.V. Hydroxylamine. 3,390,954, 7–2–68, Cl. 23—50.
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De Rosset, Armand J., to Universal Oil Products Co. Dehydrogenation of hydrocarbons at high conversion levels. 3,375,288, 3–26–68, Cl. 260—669.
De Rosset, Armand J., to Universal Oil Products Co. Sorption process with removing impurities from the desorbent. 3,392,-113, 7–9–68, Cl. 208—310.
De Rosset, Armand J., to Universal Oil Products Co. Alkylation process. 3,402,213, 9–17–68, Cl. 260—671.
De Rosset, Armand J., to Universal Oil Products Co. Isomerization process. 3,412,163, 11–19–68, Cl. 260—666.
De Rosset, Armand J., to Universal Oil Products Co. Saturated hydrocarbon isomerization process. 3,413,369, 11–26–68, Cl. 260—666.
Derr, Ralph, Jr., to Beloit Corp. Header mechanism for roll wrapper. 3,408,247, 10–29–68, Cl. 156—538.
Derrick, Kenneth S., to The Dow Chemical Co. 2-hydroxyalkyl acrylate copolymer-α,β-unsaturated dicarboxylic acid partial esters. 3,412,074, 11–19–68, Cl. 260—78.4.
D'Errico, Michael J., and R. J. Kulick, to American Cyanamid Co. Process for the preparation of fumarated rosin size of low crystallizing and low foam-producing properties. 3,400,-117, 9–3–68, Cl. 260—97.5.
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Derror, Fred L., to Mansfield Sanitary, Inc. Method and apparatus for dusting mold cores. 3,409,456, 11–5–68, Cl. 117—5.1.
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Dersch, William C., to International Business Machines Corp. Voiced sound detector circuits and systems. 3,377,428, 4–9–68, Cl. 179—1.
Dersch, William C., to International Business Machines Corp. Arrangement for identifying freight cars. 3,377,618, 4–9–68, Cl. 340—47.
De Ruiter, Hendrikus, P. A. van Weeren, and W. C. J. Quik, to Shell Oil Co. Process for producing hydrogen by reaction of a hydrocarbon and steam employing a rhenium-containing catalyst. 3,389,965, 6–25–68, Cl. 23—212.
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De Ruymbecke, Gaston and Gerard. 3,408,997.

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Dery, Robert A. Roof de-icer. 3,388,738, 6–18–68, Cl. 165—47.

Dery, Robert A. Solar oven. 3,391,688, 7–9–68, Cl. 126—270.

De Rycke, Douglas A. C., and W. N. Dear, to Laporte Titanium Ltd. Manufacture of oxides of the elements titanium, zirconium, iron, aluminum and silicon. 3,361,525, 1–2–68, Cl. 23—140.

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De Santo, Vincent. Finger ring reducing means. 3,362,189, 1–9–68, Cl. 63—15.6.

De Sarro, Emma. Detachable and removable roller skates. 3,387,852, 6–11–68 Cl. 280—11.2.

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Desch, Robert P., and J. F. Harbison, to Armstrong Cork Co. Method of making a decorative surface covering having an embossed effect. 3,400,005, 9–3–68, Cl. 117—9.

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De Selms, Roy C., to Chevron Research Co. Water-soluble salts of nitro-substituted 3-pyridols. 3,409,630, 11–5–68, Cl. 260—297.

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De Shano, Alphonse D. Tender for highway resurfacing equipment. 3,414,241, 12–3–68, Cl. 259—153.

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Seale, Virgil L., Moreland, and De Shazo. 3,383,326.

De Shazor, James C., Jr. Clip for interconnecting cans to form a multiple can package. 3,370,700, 2–27–68, Cl. 206—65.

De Shazor, James C., Jr., L. R. Burk, and R. S. Jackson, to J. C. De Shazor, Jr. Method and apparatus for assembling packages. 3,393,490, 7–23–68, Cl. 53—48.

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Schure, Alexander, and Devon. 3,392,460.

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Diehl, Francis L., H. F. Drew, and A. O. Snoddy, to The Procter & Gamble Co. Detergent compositions containing sulfonio sulfonates. 3,390,094, 6–25–68, Cl. 252—138.

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Diehl, Walter L., to Cocker Machine & Foundry Co. Knock-over blade structure for warp knitting machines. 3,405,543, 10–15–68, Cl. 66—86.

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Diepenhorst, Gerald, and M. O. Fletemier, to Ford Motor Co. Self-adjusting assembly and method for forming same. 3,419,297, 12–31–68, Cl. 287—189.36.

Diepeveen, John C., to Unitek Corp. Precision drive structure for rotatable member. 3,396,856, 8–13–68, Cl. 214—1.

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Dieter, Julian A., W. Jones, G. E. Ott, Jr., and W. J. Rece, Jr., to R. A. Jones & Co., Inc. Carton folding and gluing machine. 3,418,892, 12–31–68, Cl. 93—52.

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Dieterich, Dieter, O. Bayer, and J. Peter, to Farbenfabriken Bayer Aktiengesellschaft. Aqueous dispersions of quaternized polyurethanes. 3,388,087, 6–11–68, Cl. 260—29.2.

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Dietert, Harry W., to Harry W. Dietert Co. Volumetric measuring unit for materials. 3,402,858, 9–24–68, Cl. 222—195.

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Dietrich, Rolf, H. Ruhle, and H. Ebertz, to Zeiss-Ikon Aktiengesellschaft. Photographic camera with flash unit. 3,416,-422, 12–17–68, Cl. 95—11.

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Dietsch, Edouard V., to Societe Anonyme des Etablissements Leon Hatot. Display devices. 3,405,465, 10–15–68, Cl. 40—68.

Dietsch, Francis W., to United States of America, Army. Breech mechanism for a recoilless gun. 3,368,450, 2–13–68, Cl. 89—1.705.

Dietsch, Lee L. Mechanical casting rod. 3,392,473. 7–16–68. Cl. 43—19.

Dietz, Albert, to Pittsburgh Plate Glass Co. Chemical dissolver. 3,383,178, 5–14–68, Cl. 23—272.

Dietz, Alfred E., to Bell Telephone Laboratories, Inc. Voltage-fault absorbing device including gas tubes and carbon arrestors. 3,411,040, 11–12–68, Cl. 317—62.

Dietz, Gerald E., and R. B. Matthews, to Penn Controls, Inc. Electromagnetic actuator. 3,378,732, 4–16–68, Cl. 317—123.

Dietz, Helmut, H.-J. Lippman, and H. Schenk, to Simens Aktiengesellschaft. Electrodynamic method for forming metallic workpiecea. 3,407,637, 10–29–68, Cl. 72—56.

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Dietz, Milton S., to Polaroid Corp. Reciprocatory mount for security seal. 3,388,649, 6–18–68, Cl. 95—36.

Dietz, Milton S., to Polaroid Corp. Photoresponsive film supply monitoring apparatus for a photographic camera. 3,418,-905, 12–31–68, Cl. 95—11.

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Dietz, Robert E., H. J. Guggenheim, and L. F. Johnson, to Bell Telephone Laboratories, Inc. Divalent metal doped fluorides as optical maser material. 3,381,240, 4–30–68, Cl. 331—94.5.

Dietz, Robert R. Bowling ball. 3,401,935, 9–17–68, Cl. 273—63.

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Di Francesco, Alphonse B., to Eastman Kodak Co. Apparatus for severing film and tape for securement of a portion of the tape to the film. 3,379,597. 4–23–68, Cl. 156—506.

Di Gennaro, Vincent, to Vibro-Plus Products, Inc. Vibrating apparatus. 3,400,728, 9–10–68, Cl. 134—151.

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Diggs, Charles W., to General Electric Co. Rotor blade locking means. 3,383,094, 5–14–68, Cl. 253—77.

Di Giacobbe, August J., Jr. Security system for banks. 3,413,934, 12–3–68, Cl. 109—6.

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Di Gioia, Frank A., to General Latex & Chemical Corp. of Georgia. Method of preparing a partially collapsed latex foam backed carpet. 3,383,243, 5–14–68, Cl. 117—161.

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Dijken, Reinder H., J. Jager, and M. Krikke, to North American Philips Co., Inc. Miniature electric motor assembly. 3,390,289, 6–25–68, Cl. 310—42.

Dijkmeijer, Henricus E., M. H. Kuijpers, and B. Veenemans, to North American Philips Co., Inc. Base construction for evacuated envelope housing a printed circuit and components. 3,363,146, 1–9–68, Cl. 317—101.

Dijt, John C., to Acme Industries, Inc. Air conditioning system. 3,406,528, 10–22–68, Cl. 62—89.

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Dike, Roy W., to The Climalene Co. Bottle construction. 3,369,688, 2–20–68, Cl. 215—10.

Dikötter, Gerarduo P., A. A. W. Schaapveld, and P. J. Fransen, to Stamicarbon N.V. Stabilization of polyamides. 3,414,537, 12–3–68, Cl. 260—45.75.

Di Leone, Roland R.: *See*—
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Di Leone, Roland R., to American Cyanamid Co. Polyesterification reaction products of a polyhydric alcohol and a 3,4-dicarboxy - 1,2,3,4-tetrahydro-1-naphthalenesuccinic dianhydride. 3,391,223, 7–2–68, Cl. 260—871.

Di Leone, Roland R., to American Cyanamid Co. Process for the preparation of certain dianhydride which comprises bringing into reactive contact under an atmosphere of nitric oxide at elevated temperature maleic anhydride and a vinyl benzene material having not more than two vinyl groups whereby the corresponding dianhydride is obtained. 3,410,876, 11–12–68, Cl. 260—346.6.

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Dilg, Walter C., to Waugh Equipment Co. Resilient railway truck center plate. 3,405,654, 10–15–68, Cl. 105—199.

Dill, Charles L., Jr., to Edward M. Long. Auxiliary circuit employing a diode to ensure the energization of the low beam lamps whenever the motor is operating. 3,397,342, 8–13–68, Cl. 315—79.

Dill, Dale R., to Monsanto Co. Thermoplastic resins plasticized with esters of tricyclo(4,2,2,$0^{2,5}$)-dec-7-ene-3,4,9,10-tetracarboxylic acids. 3,419,513, 12–31–68, Cl. 260—31.8.

Dill, Frederick H., Jr., to International Business Machines Corp. Transistor structure with an emitter region epitaxially grown over the base region. 3,398,335, 8–20–68, Cl. 317—235.

Dill, Hans G., to Hughes Aircraft Co. Field effect transistor having interdigitated source and drain and overlying, insulated gate. 3,414,781, 12–3–68, Cl. 317—235.

Dill, Hans G., and F. A. Pizzarello, to Hughes Aircraft Co. Production of thin films of cadmium sulfide, cadmium telluride or cadmium selenide. 3,361,591, 1–2–68, Cl. 117—201.

Dill, Joseph C.: *See*—
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Dill, Thomas, and J. G. Mitchell, to Mobil Oil Corp. Hydroregenerative catalytic process. 3,393,145. 7–16–68. Cl. 208—59.

Dill, Thomas, and J. G. Mitchell, to Mobil Oil Corp. Method and system for cracking hydrocarbons. 3,393,146. 7–16–68. Cl. 208—75.

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Dillender, Karl E., to Irving Air Chute Co., Inc. Child harness adapter means for safety belts. 3,380,776, 4–30–68, Cl. 297—389.

Diller, Isaac M. Activation of cryolite-alumina compositions. 3,392,092, 7–9–68, Cl. 204—67.

Diller, Kenneth. Multiple-cell molded plastic tray. 3,386,608, 6–4–68. Cl. 220—23.6.

Diller, Milton, to Montgomery Ward & Co., Inc. Dolly. 3,411,802, 11–19–68, Cl. 280—79.1.

Dilley, William G. Single-ended, push-pull transistor audio amplifier. 3,376,515, 4–2–68, Cl. 330—15.

Dillhoefer, James R., to The Eagle-Picher Co. Thermoplastic rubber blends comprising reclaimed rubber and an ethylene/vinyl acetate copolymer. 3,386,925, 6–4–68, Cl. 260—2.3.

Dillhoefer, James R., and J. R. Nelson, Jr., to Eagle-Picher Industries Inc. Process of embedding flock in a polyethylene substrate. 3,366,503, 1–30–68, Cl. 117—17.

Dillies, Pierre, to Etablissements Lemaire & Dillies. Installation for conveying slivers between two textiles machines. 3,371,388, 3–5–68, Cl. 19—151.

Dilling, Elmer D., to Titanium Metals Corp. of America. Method and apparatus for drawing solid wire stock. 3,380,278, 4–30–68, Cl. 72—224.

Dilling, Elmer D., and K. S. Snow, to Titanium Metals Corp. of America. Alternating current hot topping. 3,410,946, 11–12–68, Cl. 13—9.

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Dillon, Paul W., and C. G. Robinson, to Northwestern Steel & Wire Co. Electric melt vessel having means for reducing cold spat areas therein. 3,383,450, 5–14–68, Cl. 13—9.

Dillon, Paul W., and C. G. Robinson, to Northwestern Steel and Wire Co. Method and apparatus for melting metals by induction heating. 3,413,401, 11–26–68, Cl. 13—9.

Dillon, Ralph R., to W. C. Dillon & Co., Inc. Mechanical force gauge. 3,370,458, 2–27–68, Cl. 73—141.

Dillon, Roy E., and R. W. Gray, to Madison Throwing Co., Inc. Fabric take-up for circular knitting machine. 3,368,372, 2–13–68, Cl. 66—151.

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Dills, Raymond L., to General Electric Co. Combined front heating and insulating means for self-cleaning oven. 3,405,-253, 10–8–68, Cl. 219—413.

Dills, Raymond L., to General Electric Co. Front heating and thermal breaker means for self-cleaning oven. 3,413,445, 11–26–68, Cl. 219—406.

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Dilworth, Louis R., and W. J. Wunderlin, to Allis-Chalmers Mfg. Co. Fuel cell and fuel cell electrode containing nickel-rare earth intermetallic catalyst. 3,405,008, 10–8–68, Cl. 136—86.

Di Maggio, Dominic P. Fibrous archery target with laminated reinforcing means. 3,367,660, 2–6–68, Cl. 273—102.

Di Maio, Anthony E., to Marson Fastener Corp. Rivet assembly apparatus. 3,364,553, 1–23–68, Cl. 29—211.

Di Maio, Anthony E., to Marson Fastener Corp. Tool for setting tubular rivets. 3,374,656, 3–26–68, Cl. 72—391.

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Di Margio, Nicholas A., and I. L. Silver, to Syro Steel Co. Production line for steel landing mats. 3,396,451, 8–13–68, Cl. 29—200.

Di Matteo, Leonardo, to Ex-Cell-O Corp. Method of making a magnetic memory array. 3,382,571, 5–14–68, Cl. 29—604.

Di Matti, Alfred, to Edward Stern Majestic Press, Inc. Coating apparatus. 3,372,673, 3–12–68, Cl. 118—221.

Dimeff, John, and G. W. Coon, to United States of America, National Aeronautics and Space Administration. Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element. 3,384,820, 5–21–68, Cl. 324—120.

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Dimitroff, Vladimir T., Jr., and J. B. Wagner, to General Electric Co. Pressure control and flow dispatching system for steam turbine powerplant. 3,391,539, 7–9–68, Cl. 60—67.

Dimmitt, Robert K., and C. G. Reber, to Monsanto Co. Container with closure, 3,392,861. 7–16–68. Cl. 215—40.

Dimock, Joseph M., Jr., to Jennings Radio Mfg. Corp. Hermetically sealed envelope structure for vacuum component. 3,368,023, 2–6–68, Cl. 174—50.5.

Dimond, Harold L., and A. C. Whitaker, to Gulf Research & Development Co. Process for the preparation of carboxylic acid salts. 3,365,476, 1–23–68, Cl. 260—413.

Dimond, Harold L., and A. C. Whitaker, to Gulf Research & Development Co. Process for the preparation of carboxylic acid salts. 3,370,074, 2–20–68, Cl. 260—413.

Dimond, Harold L., V. J. Pascarella, and A. C. Whitaker, to Gulf Research & Development Co. Photochemical process for preparing sulfonic acids. 3,392,095, 7–9–68, Cl. 204—158.

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Di Napoli, Robert N., to National Distillers and Chemical Corp. Low temperature process for the recovery of ethane from a stripped natural gas stream. 3,360,946, 1–2–68, Cl. 62—28.

Dinardo, Frank L., to Motorola, Inc. Coupling circuit for a wave signal receiver. 3,363,052, 1–9–68, Cl. 178—5.8.

Di Nardo, Lidio A. Paint can apron and brush holder. 3,407,-429, 10–29–68, Cl. 15—257.

Dine, Rene E. Marshalling yard apparatus. 3,398,276, 8–20–68, Cl. 246—182.

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Dinella, Donald, B. Kirschenbaum, and E. F. Schutz; said Dinella, and said Schutz, assors., to Western Electric Co. Inc., and said Kirschenbaum, assor., to Bell Telephone Laboratories, Inc. Fluidized bed coating a core containing metal board, including circuit forming, core wiring and connecting steps. 3,377,699, 4–16–68, Cl. 29—626.

Dinerstein, Ben. Shielding device for nail-hardening compositions. 3,382,878, 5–14–68, Cl. 132—88.5.

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Saleck, Wilhelm, Dinges, and Muller. 3,408,199.
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Dingus, George W., to Cabot Corp. Cyclonic apparatus. 3,367,-090. 2–6–68, Cl. 55—293.

Dinhobel, Friedrich, and J. H. Miller, to United States of America, Air Force. Scale factor correction device. 3,401,595, 9–17–68, Cl. 88—24.

Di Nicola, Nicola G., to General Electric Co. Capacitor assembly method. 3,407,562, 10–29–68, Cl. 53—24.

Dinkel, Richard A., to American-Mobile Products Corp. Industrial personnel vehicle. 3,403,744, 10–1–68, Cl. 180—25.

Dinkelkamp, Henry T., and M. Miles, to Stewart-Warner Corp. Float switch assembly. 3,419,695, 12–31–68, Cl. 200—84.

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Dinwoodie, Andrew H., and G. Fort, to Imperial Chemical Industries Ltd. Nitrate esters of tetrahydroxy-3,6-dinitrocyclohexane. 3,378,576, 4–16–68, Cl. 260—466.

Dinzl, Richard A., and C. W. Singleterry, to United States of America, Air Force. DC voltage level sensing relaxation oscillator. 3,388,347, 6–11–68, Cl. 331—111.

Diolot, Lucien, to Societe Nouvelle Spidem. Cooling attachment for high speed reversing mill. 3,389,590, 6–25–68, Cl. 72—201.

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Diotalevi, Mario J., and R. W. Dixon, to Leesona Corp. Scabbard type fuel cell. 3,378,404, 4–16–68, Cl. 136—86.

Di Pane, Vincent J., Jr. Stencils for drawing traffic accident diagrams. 3,371,420, 3–5–68, Cl. 33—174.

Di Paola, Joel F., to General Electric Co. Polydiorganosiloxanes cured with alkoxysilyl carbamates. 3,364,175, 1–16–68, Cl. 260—46.5.

Di Paola, Joel F., to General Electric Co. Curable organopolysiloxane compositions. 3,385,823, 5–28–68, Cl. 260—46.5.

Di Pasquale, Georgia. Bidet attachments. 3,377,629, 4–16–68, Cl. 4—6.

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Di Piazza, Gerald C., to Bell Telephone Laboratories, Inc. Ferrite phase shifter having longitudinal and circular magnetic fields applied to the ferrite. 3,384,841, 5–21–68, Cl. 333—31.

Di Piazza, Gerald C., to Bell Telephone Laboratories, Inc. Digitally tuned microwave filter. 3,417,351, 12–17–68, Cl. 333—73.

Di Piazza, Learco, R. Leroy, and E. Monzani, to European Atomic Energy Community-Euratom. Machine tool for cutting an assembly of coaxial tubes into parts, particularly the channels of a pressure-tube nuclear reactor. 3,385,148, 5–28–68, Cl. 82—70.2.

Di Pietra, Dante C. Turbine rear gas seal replacement fixture on J–57 engine. 3,409,970, 11–12–68, Cl. 29—200.

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Di Pilla, Anthony A., to Robertshaw Controls Co. Single and gang mounts for electric casings. 3,394,909. 7–30–68, Cl. 248—27.

Di Pilla, Anthony A., to Robertshaw Controls Co. Actuating mechanism for push button switch operating devices. 3,396,602, 8–13–68, Cl. 74—503.
Di Pilla, Anthony A., to Robertshaw Controls Co. Plural push-button assembly with safety clip interlock means. 3,412,221, 11–19–68, Cl. 200—5.
Di Placido, John C., to American Cyanamid Co. Manufacture of paste rosin size in closed circuit reactor. 3,390,004, 6–25–68, Cl. 106—238.
Di Ponio, John J., and W. J. Fuhrman, to Ford Motor Co. Gear rolling dies and method for manufacturing external tooth gears. 3,362,059, 1–9–68, Cl. 29—159.2.
Dippel, Cornelis J., H. J. Houtman, and H. Jonker, to North American Philips Co., Inc. Photo-sensitive material having a shallow layer containing a benzenediazo sulfonic acid compound or salts thereof. 3,385,705, 5–28–68, Cl. 96—75.
Dippel, Cornelis J., H. Jonker, A. J. Der Kinderen, and J. Helfferich, to North American Philips Co., Inc. Method of manufacturing metallic images on aluminum and aluminum alloys. 3,390,988, 7–2–68, Cl. 96—27.
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Diprose, Kenneth V., to Hancock & Co. (Engineers) Ltd. Method and apparatus for following an outline on a substrate. 3,404,280, 10–1–68, Cl. 250—202.
Dirac, Jules F., to International Business Machines Corp. Controlled register accessing. 3,405,394, 10–8–68, Cl. 340—172.5.
Dirk, William R., to Lennox Industries, Inc. Refrigerant compressor with oil trap in discharge gas cavity. 3,389,853, 6–25–68, Cl. 230—206.
Dirk, William R., and C. D. Peterson, to Lennox Industries Inc. Burner construction. 3,419,338, 12–31–68, Cl. 431—181.
Dirks, Brinton M., and G. M. Nakel, to The Procter & Gamble Co. Flavored fatty material and process for preparing the same. 3,394,013, 7–23–68, Cl. 99—118.
Dirks, Francis M. Hanger for bathtubs and the like. 3,406,936, 10–22–68, Cl. 248—216.
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Dirr, Rudolf, and H. Waldmann, to Siemens Aktiengesellschaft. Voltage regulating system for synchronous generators. 3,373,340, 3–12–68, Cl. 322—28.
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Dischert, Robert A., to Radio Corp. of America. Counter employing monostable-multivibrator with its timing cycle determined and initiated by first two pulses of input clock but then isolated therefrom for remainder of count. 3,382,375, 5–7–68, Cl. 307—225.
Dischert, Robert A., and N. P. Kellaway, to Radio Corp. of America. Video signal processing system. 3,368,033, 2–6–68, Cl. 178—7.1.
Dischert, Robert A., and N. P. Kellaway, to Radio Corp. of America. Delay compensation circuit arrangement. 3,368,034, 2–6–68, Cl. 178—69.5.
Disegna, Wayne L., and H. Erickson, to Sinclair Research, Inc. Catalyst containing silica-alumina and finely divided CaF_2, MgF_2, SrF_2, AlF_3, or InF_3. 3,364,151, 1–16–68, Cl. 252—441.
Di Sibio, Vincenzo. Violin bass bar and sound post construction. 3,383,970, 5–21–68, Cl. 84—276.
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Dissen, Israel J., to Velsicol Chemical Corp. Halogenated bicyclic acid keto esters, 3,371,108, 2–27–68, Cl. 260—468.
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Ditchfield, Clifford, to Orenda Ltd. Trailer tow-bar damper mechanism. 3,377,086, 4–9–68, Cl. 280—489.
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Ditlinger, Richard J., to The Bendix Corp. Redundant connecting link. 3,362,252, 1–9–68, Cl. 74—579.
Ditlinger, Richard J., to The Bendix Corp. Tension-torsion tie-bar and end fittings therefor. 3,362,253, 1–9–68, Cl. 74—579.
Ditlinger, Richard J., to The Bendix Corp. Laminated tension-torsion tie-bar. 3,370,483, 2–27–68, Cl. 74—579.
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Di Tommaso, Anthony, W. C. Martin, and D. C. McKown, to General Dynamics Corp. Stabilization system. 3,380,310, 4–30–68, Cl. 74—5.22.
Di Toro, Michael J., to Cardron Electronics, Inc. Apparatus and method for converting an input wave signal using adaptive network adjusted to time inverse of translating channel. 3,390,336, 6–25–68, Cl. 325—65.
Ditrick, Norman H., to Radio Corp. of America. Semiconductor devices. 3,368,124, 2–6–68, Cl. 317—235.
Dittman, David O., J. J. Licari, and M. Glovak, to North American Rockwell Corp. Ablative thermal insulation composition of a silicone, epoxy resin, cork and curing agent. 3,380,941, 4–30–68, Cl. 260—17.4.
Dittmann, Walter, and H. Stork, to Chemische Werke Huls A.G. Process for the production of 3,4-epoxy-tetramethylene sulfone. 3,366,645. 1–30–68, Cl. 260—332.1.
Dittmar, Gerhard, and W. Scholl, to Farbenfabriken Bayer Aktiengesellschaft. Mixed chromium complex monoazo dyestuffs. 3,372,155, 3–5–68, Cl. 260—145.
Dittmer, Theodore. Fruit harvester. 3,405,515, 10–15–68, Cl. 56—328.
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Dittrich, William A. Sound and vibration detector device. 3,405,288, 10–8–68, Cl. 310—8.4.
Diuzet, Emile J., to Societe Industrielle des Nouvelles Techniques Radioelectriques et de l'Electronique Francaise. Teaching machine. 3,383,781, 5–21–68, Cl. 35—9.
Di Valerio, Panfilio A., W. A. Skura, and J. E. O'Donnell, to Uniroyal, Inc. Method of making transmission belts. 3,419,449, 12–31–68, Cl. 156—159.
Diven, Liscum, to Motorola, Inc. Multi-pulse modulator for radar transponder. 3,383,680, 5–14–68, Cl. 343—6.8.
Diver, John R., to Borg-Warner Corp. Hydraulic droop controller with automatic reset. 3,392,742. 7–16–68. Cl. 137—82.
Diversification Development Inc.: *See*—
Peterschmidt, Paul L. 3,380,203.
Diversified Engineering Co.: *See*—
Foster, James M., Jr. 3,395,779.
Diversified Products Corp.: *See*—
Farish, Jay P., III. 3,362,358.
Diversified Products Mfg. Co.: *See*—
Applebaum, Sherman H., and Peterson. 3,394,894.
Dividsohn, Uryon S.: *See*—
Roques, Rodney A., Stewart, and Dividsohn. 3,371,148.
Di Vietri, John J. Combination belt tightening and handle device. 3,400,870, 9–10–68, Cl. 224—58.
Divijak, Joseph M., Jr.: *See*—
Carlos, Donald D., and Divijak. 3,376,216.

Divilbiss, James L. Toy mechanical computer. 3,403,459, 10–1–68, Cl. 35—30.

Divine, George T. F. Salvaging apparatus. 3,380,420, 4–30–68, Cl. 114—50.

Divine, J. P., Mfg. Co.: *See*—
Cox, George R. 3,384,978.

Divine, Rene L. Cap construction. 3,417,407, 12–24–68, Cl. 2—180.

Divona, Charles J.: *See*—
Sowa, Edmund S., and Divona. 3,372,290.

Dix, Cyril H., to The M-O Valve Co. Ltd. Travelling wave tubes. 3,370,197, 2–20–68, Cl. 315—3.5.

Dix, Cyril H., to The General Electric Co. Ltd. Noise reduction in a travelling wave tube employing a helix input coupler. 3,401,298, 9–10–68, Cl. 315—3.6.

Dix, Sydney, to GTI Corp. Micromodular package. 3,383,454, 5–14–68, Cl. 174—52.

Dix, Sydney, to GTI Corp. Loading machine. 3,411,266, 11–19–68, Cl. 53—142.

Dix, Sydney, D. W. Davis, M. L. Sklena, and R. M. Sutherland, to GTI Corp. Micromodular package and method of sealing same. 3,382,342, 5–7–68, Cl. 219—85.

Dixie Enterprises, Inc.: *See*—
Stewart, Warren G. 3,382,983.

Dixie Mfg. Co., Inc.: *See*—
Wolfe, Russell C. 3,389,647.

Dixie-Narco, Inc.: *See*—
Fleagle, Paul F. 3,367,536.

Dixie Yarns, Inc.: *See*—
Claiborne, Jefferson L. 3,417,414.
Claiborne, Jefferson L., and Bohr. 3,371,318.

Dixmier, Marie-Blanche, B. Roz, and G. Guiochon, to Compagnie Francaise Thomson Houston-Hotchkiss Brandt. Chromatographic column. 3,385,035, 5–28–68, Cl. 55—386.

Dixon, Alan F., and L. B. Valdes, to Raytheon Co. Controlled breakdown voltage diode. 3,417,299, 12–17–68, Cl. 317—234.

Dixon, Allen L., and C. R. Fitz Gerald, to Master-Craft Corp. Tray with tiltable ends for record cards. 3,375,830, 4–2–68, Cl. 129—16.

Dixon Automatic Tool, Inc.: *See*—
Dixon, Paul H. 3,378,907.

Dixon, David A., to Occidental Petroleum Corp. Method for minimizing deterioration of plant and animal products. 3,365,307, 1–23–68, Cl. 99—150.

Dixon, Don P. Automobile air conditioning system. 3,381,492, 5–7–68, Cl. 62—244.

Dixon, Don P. Automobile air conditioning system. 3,381,493, 5–7–68, Cl. 62—244.

Dixon, Don P. Automobile air conditioning system. 3,384,297, 5–21–68, Cl. 230—135.

Dixon, Edgar O., to United States of America, Navy. Temperature compensation of photoconductive detector. 3,363,-105, 1–9–68, Cl. 250—206.

Dixon, Edgar O., and G. R. Simpson, to American Optical Co. End pumped laser structures employing immersion optics. 3,383,622, 5–14–68, Cl. 331—94.5.

Dixon, Guy E. and T. M. Hinge strip anchor. 3,361,189, 1–2–68, Cl. 160—231.

Dixon, Harold F. E., to Columbia Ribbon and Carbon Mfg. Co., Inc. Ribbon spools. 3,393,790, 7–23–68, Cl. 197—175.

Dixon, James A., Jr., to Gossett Machine Works, Inc. Quick release calender roller assembly. 3,391,427, 7–9–68, Cl. 19—.23.

Dixon, James T., Sr. Combination storage, packaging and dispensing kit for separating needlework articles. 3,365,055, 1–23–68, Cl. 206—16.

Dixon, John A. Electronic ignition system. 3,374,778, 3–26–68, Cl. 123—148.

Dixon, John D.: *See*—
Goodacre, Cecil, and Dixon. 3,390,797.
Ward, Joseph L., and Dixon. 3,407,950.

Dixon, John D., to Lansing Bagnall Ltd. Industrial lift trucks. 3,390,798, 7–2–68, Cl. 214—730.

Dixon, John D., and R. Goodacre, to Lansing Bagnall Ltd. Industrial trucks. 3,394,828, 7–30–68, Cl. 214—674.

Dixon, John G., and M. A. Ananin, to Muirhead & Co. Ltd. Indexing fixture for testing the electrical error in rotating electrical components. 3,361,969, 1–2–68, Cl. 324—158.

Dixon, John I., to Mesta Machine Co. Coil handling mechanism. 3,385,417, 5–28–68, Cl. 198—25.

Dixon, John W. Process of treating coal mine acid drainings. 3,403,099, 9–24–68, Cl. 210—53.

Dixon, Lewis C., to United States of America, Army. Rotationally activated fuze. 3,363,567, 1–16–68, Cl. 102—79.

Dixon, Norman E.: *See*—
Zentschel, Milton F., and Dixon. 3,379,051.

Dixon, Paul H., to Dixon Automatic Tool, Inc. Workpiece transfer mechanism for use with assembling machines and the like. 3,378,907, 4–23–68, Cl. 29—203.

Dixon, Robert W.: *See*—
Diotalevi, Mario J., and Dixon. 3,378,404.

Dixon, Rod P., to Nuclear Processing Corp. Method of creating large diameter boreholes using underground nuclear detonations. 3,404,919, 10–8–68, Cl. 299—13.

Dixon, Sidney, and R. H. Chinnery, to George Angus & Co. Ltd. Bearing seals. 3,400,989, 9–10–68, Cl. 308—187.2.

Dixon, Thomas M.: *See*—
Dixon, Guy E. and T. M. 3,361,189.

Dixon, William D.: *See*—
Kindlesparker, Jacob H., and Dixon. 3,392,221.

Djenner, Richard. Hair drier. 3,365,811, 1–30–68, Cl. 34—97.

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Sorensen, Leif E., and Djernas. 3,867,242.

Djuragin, Marco, ½ to Maximilian Linker. Thermoconverter run with universal fuel for the production of pure air. 3,412,987, 11–26–68, Cl. 263—19.

Dmuchovsky, Basil, and R. W. Weiss, to Monsanto Co. Functional fluid containing azo benzene derivatives as antioxidants. 3,413,225, 11–26–68, Cl. 252—47.5.

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Doane, De Witt H., to Cockle Ventilator Co., Inc. Grease extractor for ventilating systems. 3,364,664, 1–23–68, Cl. 55—394.

Doane, Elliott P., to Phillips Petroleum Co. Controlled hydrocracking. 3,378,482, 4–16–68, Cl. 208—108.

Doane, Elliott P., to Phillips Petroleum Co. Temperature control in multi-zone heat exchange operation. 3,406,740, 10–22–68, Cl. 165—1.

Doane, Foster P., Jr. High-speed paper making system and method. 3,401,463, 9–17–68, Cl. 34—1.

Dobbertin, Gunther H. W. Portable cutting tools. 3,382,578, 5–14–68, Cl. 30—167.

Dobbin, Rollins E., and C. B. Beck, to Cabot Corp. Process for producing inks. 3,372,041, 3–5–68, Cl. 106—20.

Dobbins, Billy D., O. M. Martin Jr., H. B. Munson, Jr., and H. H. Nall, to United States of America, Navy. Doppler homing system. 3,363,858, 1–16–68, Cl. 244—3.14.

Dobbins, David T., and F. F. Stafford, to Westinghouse Electric Corp. High pressure fully openable tank. 3,404,796, 10–8–68, Cl. 220—3.

Dobbs, William B. Hand hole cover device. 3,361,465, 1–2–68, Cl. 292—257.

Dobert, Alfred F., to Creative Associates of Albany, Ltd. Anchor device with releasable latch means. 3,374,859, 3–26–68, Cl. 182—92.

Doble, Gerald T.: *See*—
Cordis, Nat. 3,368,522.

Dobinson, Frank, to Monsanto Co. Metal hexafluorosilicates as catalysts in the production of polyesters. 3,395,127, 7–30–68, Cl. 260—75.

Doble Engineering Co.: *See*—
Doble, Frank C. 3,363,172.
Doble, Frank C. 3,407,353.

Doble, Frank C., to Doble Engineering Co. Insulating bushing test apparatus including an insulated test terminal having a guard electrode. 3,363,172, 1–9–68, Cl. 324—54.

Doble, Frank C., to Doble Engineering Co. Method and apparatus for compensating an electrical signal transmission path. 3,407,353, 10–22–68, Cl. 324—83.

Doble, Robert N., and R. J. Miller, to General Precision Systems, Inc. Extended range frequency discriminator. 3,364,-431, 1–16–68, Cl. 329—122.

Dobler, Frich: *See*—
Bogner, Hans, and Dobler. 3,398,418.

Doblin, Jay: *See*—
Allseits, Frank, and Doblin. 3,396,733.

Dobo, Emerick J., to Monsanto Co. Polymerization level control apparatus. 3,402,023, 9–17–68, Cl. 28—285.

Dobratz, Carroll J.: *See*—
Barnard, Robert D., Dobrntz, Johnson, and Meyer. 3,408,-281.

Dobratz, Elmer H., to Kopper Co., Inc. Process for preparing N,N,N',N' - tetrakis(hydroxyalkyl) - benzidines. 3,409,673, 11–5–68, Cl. 260—573.

Dobratz, Elmer H., and A. J. Kolka, to Koppers Co. Production of benzophenones. 3,403,183, 9–24–68, Cl. 260—591.

Dobrei, Robert L.: *See*—
Hannagan, Harold W., and Dobrei. 3,401,631.

Dobrikin, Harold L., to Berg Mfg. & Sales Co. Dual application valve. 3,390,920, 7–2–68, Cl. 303—52.

Dobrikin, Harold L., to Berg Mfg. & Sales Co. Tractor protection valve assembly. 3,397,925, 8–20–68, Cl. 303—29.

Dobrikin, Harold L., C. Horowitz, and B. Klimek, to Berg Mfg. & Sales Co. Relay emergency modulating valve. 3,411,-836, 11–19–68, Cl. 303—40.

Dobrin, Milton B., and A. L. Ingalls; said Dobrin assor, to United Geophysical Corp.; said Ingalls assor. to Conductron Corp. Method of processing geological and geophysical data. 3,370,268, 2–20–68, Cl. 340—15.5.

Dobrowolski, Jerzy A., to Canadian Patents and Development Ltd. Mounting for mica interference filters. 3,393,035, 7–16–68. Cl. 350—318.

Dobrzhansky, Georgy F.: *See*—
Shaskolskaja, Marianna P., and Dobrzhansky. 3,362,797.

Dobslaw, Gerhardt A.: *See*—
Stelljes, Charles R., Dobslaw, and Cordone. 3,364,574.

Dobson, Don R. Fisherman's signaling device. 3,371,443, 3–5–68, Cl. 43—17.

Dobson, Franklin A., to Philco-Ford Corp. Submarine tracking apparatus. 3,408,621, 10–29–68, Cl. 340—5.

Dodson, Harlan: *See*—
Gilmore, John E. 3,413,149.

Dobson, Harmon: *See*—
O'Banion, John D. 3,415,397.

Dobson, Ian G., and M. J. A. Bass, to Masson Scott Thrissell Engineering Ltd. Sheet feeding apparatus. 3,395,916, 8–6–68, Cl. 271—88.

Dobson, John M.: *See*—
Booth, Robert B., and Bobson. 3,418,237.

Dobson, Robert D.: *See*—
Cunningham, Robert G., Dobson, Going, and Purves. 3,415,658.
Purves, Edward R., Going, and Dobson. 3,415,660.
Dobson, Thomas A.: *See*—
Davis, Martin A., and Dobson. 3,406,186.
Dobson, Thomas A., and M. A. Davis, to American Home Products Corp. 10,5(epoxymethano)-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-13-one and derivatives. 3,861,767, 1-2-68, Cl. 260—343.2.
Dobson, Thomas A., and M. A. Davis, to American Home Products Corp. 10,5-(epoxymethano)-10,11-dihydro-5H-dibenzo [a,d]cycloheptene-11,13-dione. 3,391,163, 7-2-68, Cl. 260—343.2.
Dobson, Thomas A., and M. A. Davis, to American Home Products Corp. 10,5-(iminomethano)-10,11-dihydro-5H-dibenzo[a,d]-cyclohepten-11,13-dione and derivatives. 3,412,-085, 11-19-68, Cl. 260—239.3.
Dobson, Thomas A., and M. A. Davis, to American Home Products Corp. 10,11-epoxy-10,11-dihydro-5H-dibenzo[a,d] cycloheptene-5-carboxamides. 3,418,839, 12-24-68, Cl. 260—348.
Docekal, Jaroslav, and M. Losert, to Elitex, Zavody Textilniho Strojirenstvia Reditelstvi. Apparatus for tensioning a fabric during knitting. 3,417,581, 12-24-68, Cl. 66—147.
Dochterman, Richard W., to General Electric Co. Method of fabricating small electric motors. 3,388,459, 6-18-68, Cl. 29—596.
Docimo, Peter J., to Marvin Electric Mfg. Co. Light fixture. 3,361,904, 1-2-68, Cl. 240—78.
Docimo, Peter J., to Marvin Electric Mfg. Co. Lighting fixture. 3,381,123, 4-30-68, Cl. 240—78.
Dock, Clement A., to United States of America, Army. Time fuze test apparatus. 3,376,729, 4-9-68, Cl. 73—5.
Dock, Clement A., to United Staes of America, Army. Escapement mechanism. 3,376,754, 4-9-68, Cl. 74—1.5.
Dock, Nils, to Aktiebolaget Svenska Flaktfabriken. Spray painting booth. 3,390,400, 6-25-68, Cl. 98—115.
Docker, Leslie T., to Multilastic Ltd. Spring unit of mattresses and the like. 3,370,619, 2-27-68, Cl. 140—3.
Dockerty, Stuart M., to Corning Glass Works. Refractory housing. 3,390,505, 7-2-68, Cl. 52—596.
Dockerty, Stuart M., to Corning Glass Works. Glass rod and tube forming with controlled dimensional uniformity. 3,410,675, 11-12-68, Cl. 65—129.
Dockery, Calvin D., to Phillips Petroleum Co. Article transfer mechanisms. 3,408,056, 10-29-68, Cl. 263—6.
Docter, Charles F. Mobile home anchor. 3,403,487, 10-1-68, Cl. 52—148.
Document Disintegration, Inc.: *See*—
O'Connor, James E., and Page. 3,398,901.
Docutel, Inc.: *See*—
Crowder, Wyly K. 3,403,634.
Doczi, John: *See*—
Turner, James E., Jr., and Doczi. 3,368,940.
Dodco, Inc.: *See*—
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Dodd, Edward C.: *See*—
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Harris, Albert E., and Dodd. 3,404,981.
Dodd, John A.: *See*—
May, Herbert, Kendall-Smith, and Dodd. 3,395,124.
Dodd, John A., to United Kingdom Atomic Energy Authority. Sheathed fuel elements for nuclear reactors. 3,399,112, 8-27-68, Cl. 176—79.
Dodge, Cleveland E., Jr. Packing material. 3,398,504, 7-23-68, Cl. 57—144.
Dodge, Gerald F., III, and H. D. F. True, Jr., to General Electric Co. Single evaporator, single fan refrigerator including control means. 3,373,576, 3-19-68, Cl. 62—180.
Dodge, John D., to American Can Co. Easy-open container closure. 3,369,689, 2-20-68, Cl. 215—39.
Dodge, John W., J. M. Darfler, and R. C. Baker, to Cornell Research Foundation, Inc. Method of making an egg product. 3,385,712, 5-28-68, Cl. 99—113.
Dodge Mfg. Corp.: *See*—
Chung, Jackson. 3,368,833.
Dodge, Marlow W.: *See*—
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Dodge, Merrill J., to United States Envelope Co. Multiple pocket envelope. 3,399,824, 9-3-68, Cl. 229—72.
Dodge, Robert J., to Buoys, Inc. Static switch for controlling DC to AC inverter. 3,366,867, 1-30-68, Cl. 321—45.
Dodge, Ronald D.: *See*—
Crutcher, Benjamin T., III., and Dodge. 3,394,785.
Dodge, Ronald D., to International Business Machines Corp. Impression control means with range control device. 3,393,-788, 7-23-68, Cl. 197—17.
Dodge, Ronald D., and B. T. Crutcher III, to International Business Machines Corp. Impression control mechanism. 3,393,787, 7-23-68, Cl. 197—17.
Dodge, Ruez M. Brake contour spinner. 3,399,493, 9-3-68, Cl. 51—26.
Dodgen Industries, Inc.: *See*—
Dodgen, Joe W., Johnson, and Snapp. 3,375,986.
Dodgen, Joe W., Johnson, and Snapp. 3,375,987.
Dodgen, Joe W., Johnson, and Snapp. 3,395,868.
Dodgen, John N., and Johnson. 3,375,985.
Dodgen, Joe W., K. R. Johnson, and M. D. Snapp, to Dodgen Industries, Inc. Roller mill. 3,375,986, 4-2-68, Cl. 241—222.
Dodgen, Joe W., K. R. Johnson, and M. D. Snapp, to Dodgen Industries, Inc. Roller mill. 3,375,987, 4-2-68, Cl. 241—232.
Dodgen, Joe W., K. R. Johnson, and M. D. Snapp, to Dodgen Industries, Inc. Roller mill. 3,395,868, 8-6-68, Cl. 241—86.
Dodgen, John N., and K. R. Johnson, to Dodgen Industries, Inc. Feed grinding, mixing and dispensing machine. 3,375,-985, 4-2-68, Cl. 241—98.
Dodson, James S. Teaching aid for demonstrating gas and solid state lasers. 3,370,362, 2-27-68, Cl. 35—19.
Dodson, John A., to G. & E. Bradley Ltd. Parametric devices incorporating varactor diodes. 3,378,690, 4-16-68, Cl. 307—88.3.
Dodson, Richard J., to Clayton Mark & Co. Inside bead trimming apparatus. 3,395,614, 8-6-68, Cl. 90—24.
Dodson, Walter. Rotary fluid pump. 3,367,273, 2-6-68, Cl. 103—88.
Dodsworth, James W., to Litton Business Systems, Inc. Web take-up reel controller. 3,385,535, 5-28-68, Cl. 242—67.1.
Dodulik, Steven J., to Dodco, Inc. Garment hanger. 3,401,854, 9-17-68, Cl. 223—92.
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Devlin, James E., A. J. and D. Eramo, and O'Connor. 3,405,705.
Doe, Walter P., to Fisher-Price Toys, Inc. Simulating sounding toy. 3,390,483, 7-2-68, Cl. 46—177.
Doebel, Karl J., and F. Leonard, to Geigy Chemical Corp. Cycloalkyl benzylamine and anorexigenic compositions and method of use. 3,397,272, 8-13-68, Cl. 424—248.
Doeglas, Marcus H., and J. C. Heijdra, to Koninklijke Zwavelzuurfabrieken Voorheen Ketjen N.V. Vehicle for the transport of bulk material. 3,378,302, 4-16-68, Cl. 298—8.
Doeh, Benjamin B.: *See*—
Sooryn, Vsevolod. 3,397,133.
Doelp, Walter L., Jr., to Philco-Ford Corp. Method of connecting leads to a semiconductive device. 3,374,537, 3-26-68, Cl. 29—627.
Doelz, Hans, E. Hipperling, and J. Seidel, to Veb Apparatebau Mylau. Plate heat exchanger. 3,399,720, 9-3-68, Cl. 165—166.
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Doerer, Richard P., to Van Dresser Corp. Swaging machine. 3,373,474, 3-19-68, Cl. 29—200.
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Scheel, Lawrence E., and Doerfer. 3,391,779.
Doerfler, Roger E., to Hydrasearch Co., Inc. Brake proportioning valve. 3,365,243, 1-23-68, Cl. 303—6.
Doerfler, Roger E., to Hydrasearch Co., Inc. Brake proportioning valves. 3,373,766, 3-19-68, Cl. 137—494.
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Doerge, Herman P., and J. F. Bosso, to Pittsburgh Plate Glass Co. Epoxy resins from a hardwood tar and an epihalohydrin. 3,388,086, 6-11-68, Cl. 260—28.
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Doering, John P., Jr., to Beckman Instruments, Inc. Combination slip ring and terminal for variable resistance device. 3,382,474, 5-7-68, Cl. 338—174.
Doering, John P., Jr., to Beckman Instruments, Inc. Housing and terminal construction for variable resistance device. 3,394,836, 7-23-68, Cl. 838—184.
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Molins, Desmond W., and Doerman. 3,412,842.
Doerner, Ernest H., to The Singer Co. Sewing machine presser devices. 3,410,239, 11-12-68, Cl. 112—235.
Doerner, Frank, to Doerner Products Co., Ltd. Chair control for tilting and swivel chairs having improved tensioning bolt. 3,368,844, 2-13-68, Cl. 297—303.
Doerner, Frank, to Doerner Products Co., Ltd. Memory swivel for swivel chair. 3,385,550, 5-28-68, Cl. 248—417.
Doerner, Frank, to Doerner Products Co. Ltd. Chair base. 3,391,887, 7-9-68, Cl. 248—188.7.
Doerner, Frank, to Frank Doerner & Sons Ltd. Thrust bearing for a swivel chair. 3,391,893, 7-9-68, Cl. 248—405.
Doerner, Frank, to Doerner Products Co. Ltd. Bell construction for chair support. 3,406,939, 10-22-68, Cl. 248—405.
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Doerner, Frank. 3,391,893.
Doerner Products Co., Ltd.: *See*—
Doerner, Frank. 3,368,844.
Doerner, Frank. 3,385,550.
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Doerner, Frank. 3,406,939.
Doerner, Ralph W. International pipe cutter with screw threaded adjustment means. 3,406,449, 10-22-68, Cl. 30—107.

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Priest, Donald A., Monogue, and Doerr. 3,365,112.

Doerr, Joseph F.: *See*—
Hagler, Norman R., Pierce, Doerr, and Johnston. 3,419,-105.

Doerr, Robert C.: *See*—
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Dogaru, Leon: *See*—
Nicolau, Ioan, Dogaru, Evghenide, Ionascut, Tihon, and Motoriu. 3,370,471.

Doggart, John, to V & E Friedland Ltd. Electrical signalling devices. 3,375,803, 4–2–68, Cl. 116—169.

Doggart, John, and G. R. Lawton, to V & E Friedland Ltd. Sound signalling device having diaphragm and striker apparatus. 3,408,645, 10–29–68, Cl. 340—388.

Doggett, Otto G., and J. R. Seay, to Go Services, Inc. Fracture detection method for bore holes. 3,402,769, 9–24–68, Cl. 166—4.

Doggett, Towers, to Scott Paper Co. Sensitizing planographic plates for photolithography. 3,375,113, 3–26–68, Cl. 96—91.

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Montgomery, Orin C., and Doggett. 3,400,781.

Doggrell, Leslie A.: *See*—
Tench, John R., and Doggrell. 3,397,815.

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Bax, Glenn R., and Dohanic. 3,377,958.

Dohanyos, Edward W. Self-centering rollers. 3,393,784, 7–23–68, Cl. 193—35.

Doherty, George F., Jr., W. A. Fischer, M. Klein, D. C. Pilkinton, R. A. Walsh, and R. W. Wyndrum, to Bell Telephone Laboratories, Inc. Auxiliary line circuit. 3,383,470, 5–14–68, Cl. 179—18.

Doherty, George O. Endotracheal tube with valved balloon having a removable inflation stylet insert therein. 3,402,717, 9–24–68, Cl. 128—351.

Doherty, George O. Endotracheal tube with valved balloon having removable inflation means and balloon rupturing means associated therewith. 3,402,718, 9–24–68, Cl. 128—351.

Doherty, Paul E.: *See*—
Felck, George, III, and Doherty. 3,370,344.

Dohet, Pierre E. Extensible-collapsible structure. 3,416,170, 12–17–68, Cl. 9—2.

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Dohms, Otto P., and M. Updike. Animal trap. 3,396,486, 8–13–68, Cl. 43—90.

Dohr, Albert D.: *See*—
Woelfer, Charles G., and Dohr. 3,386,162.

Dohr, Manfred: *See*—
Danielisz, Miklos, Dohr, and Galinke. 3,388,105.

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Doi, Tetsuo, K. Tanno, and H. Hashimoto, to Hitachi, Ltd. Thermoplastic recording apparatus for television signals. 3,365,543, 1–23–68, Cl. 178—6.6.

Doi, Toshio, to Hitachi, Ltd. Electrical resistance alloys. 3,399,056, 8–27–68, Cl. 75—159.

Doi, Toshio, M. Mitani, M. Kobayashi, H. Ohara, and S. Maeda, to Hitachi, Ltd. Superconducting alloys and apparatus for generating superconducting magnetic field. 3,408,604, 10–29–68, Cl. 335—216.

Doka, Frank J., to General Motors Corp. Convertible top control linkage. 3,405,970, 10–15–68, Cl. 296—117.

Doke, Jack, to Angeles Metal Trim Co. Metallic structure for interior walls to carry shelf brackets and wallboard. 3,394,507, 7–30–68, Cl. 52—36.

Doke, Jack, and J. P. Van Meter, to Angeles Metal Trim Co. Metallic wall stud structure for supporting shelf brackets. 3,407,547, 10–29–68, Cl. 52—36.

Dokos, Sophocles J.: *See*—
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Stecca, Anthony J., Barnas, Dokos, Jarzembski, and Norris. 3,377,564.

Dokos, Sophocles J., W. A. Patzer, and J. J. Sidlo, to Sunbeam Corp. Electric shaver with magnetic latch and clutch actuated clipper. 3,364,569, 1–23–68, Cl. 30—34.1.

Dokoupil, Jiri, V. Opluštil, J. Zdráhal, and J. Zubik, Strojosvit Narodni Podnik. Leather softening machine. 3,398,557, 8–27–68, Cl. 69—33.

Dokulil, John, C. R. Dupree, E. Meslin, S. Morgenstern, and A. J. Plasencia to J. A. Maurer Inc. Portable daylight film processor. 3,383,996, 5–21–68, Cl. 95—94.

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Dolby, Ray M., L. J. Kabell, H. E. Murphy, and H. L. Walsh, by Ampex Corp. Video recording syatem and method. Re. 26,412, 6–25–68, Cl. 178—5.4.

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Dolder, Guido, and N. Meystre, to Escher Wyss Aktiengesellschaft. Pipe branch piece. 3,376,897, 4–9–68, Cl. 138—89.

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Shaver, John A., Dole, Osmond, and Morrissey. 3,401,469.

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Algino, Joseph M. 3,386,065.
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Dolgorukov, Gregory S. Drafting instrument. 3,375,589, 4–2–68, Cl. 33—104.

Dolgorukov, Gregory S. Drafting instrument. 3,378,931, 4–23–68, Cl. 33—174.

Dolgorukov, Gregory S. Method of making a draftsman's straightedge. 3,398,447, 8–27–68, Cl. 29—407.

Dolgorukov, Gregory S. Method of making a T-square. 3,398,-449, 8–27–68, Cl. 29—529.

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Doll, John R. Color control system for a television picture tube. 3,399,323, 8–27–68, Cl. 315—18.

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Dolle, Lucien, to Commissariat a l'Energie Atomique. Compensating for reactivity changes in liquid-moderated nuclear reactors. 3,365,367, 1–23–68, Cl. 176—22.

Dolle, Roland E., Jr., F. J. Harsacky, and C. Tamborski, to United States of America. Air Force. Perfluorinated aliphatic polyether lubricant with a perfluorinated phenyl compound additive. 3,393,151, 7–16–68, Cl. 252—49.9.

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Dolling, Jens C., to United States of America, Army. Fragmentation of underground metallic silos subjected to internal blast. 3,404,797, 10–8–68, Cl. 220—18.

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Dolney, Stanley M., to The Cyril Bath Co. Hydraulic push rod for stretch draw press. 3,377,835, 4–16–68, Cl. 72—305.

Dolney, Stanley M., to The Cyril Bath Co. Metal forming machine, traversing wipe shoe and control therefor. 3,388,-577, 6–18–68, Cl. 72—151.

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Dolomont, Allan A., to Olin Mathieson Chemical Corp. Method of making non-porous weld beads. 3,378,668, 4–16–68, Cl. 219—74.

Dolomont, Allan A., to Olin Mathieson Chemical Corp. Method of making non-porous weld beads. 3,378,669, 4–16–68, Cl. 219—74.

Dolon, Paul J., and W. F. Niklas, to The Rauland Corp. Multi-stage image converter with both magnifying and minifying stages. 3,383,514, 5–14–68, Cl. 250—213.
Dolphin, John R. V. Folding cycle frames. 3,362,725, 1–9–68, Cl. 280—287.
Dolphin, John R. V., to T. I. (Group Services) Ltd. Construction of roads and associated surfaces. 3,385,180, 5–28–68, Cl. 94—1.
Dolter, Paul A., to The Dole Valve Co. Zone valve. 3,372,709, 3–12–68, Cl. 137—625.31.
Dolter, Paul A., to The Dole Valve Co. Copy machine dispenser valve. 3,409,178, 11–5–68, Cl. 222—133.
Domba, Elemer, to Nalco Chemical Co. Novel compositions and their use in preventing and inhibiting foam. 3,384,600, 5–21–68, Cl. 252—358.
Domba, Elemer, to Nalco Chemical Co. Method of preventing and inhibiting foam. 3,388,072, 6–11–68, Cl. 252—321.
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Ryckaert, Andre G., and Domen. 3,397,246.
Domenicali, Benito, and G. Canti, to Montecatini Edison S.p.A. Process for producing hydroquinone from p-dialkyl-benzene-bis-hydroperoxides. 3,376,352, 4–2–68, Cl. 260—621.
Domeneghetti, Lara. Folding and automobile-transportable camping tent. 3,375,836, 4–2–68, Cl. 135—1.
Domenighetti, Domenico. Road paving machine with pressure control means. 3,362,307, 1–9–68, Cl. 94—46.
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Domhan, Gerold: *See*—
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Dominguez, Avaristo. Method and apparatus utilizing solar thermal radiation to heat a fluid contained under pressure. 3,363,618, 1–16–68, Cl. 126—270.
Dominion Bridge Co., Ltd.: *See*—
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Dominion Electrohome Industries Ltd.: *See*—
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Fichtner, Roland H. 3,389,344.
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McTaggart, James E. 3,375,462.
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Belleau, Jean D. 3,374,550.
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Koeller, Paul, and Eggins. 3,398,932.
Kozlowski, Melvin M., and Harris. 3,374,863.
Nelson, John E. 3,369,636.
Sproule, Robert S. 3,398,696.
Tremblay, Julien G., Shaver, and Harris. 3,369,324.
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Waterhouse, Peter. 3,406,925.
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Warrington, Harold G. 3,361,448.
Dominique, Anthony C. Animated fishing lure with buoyancy changing means therein. 3,367,058, 2–6–68, Cl. 43—42.06.
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Dommann, Gunther, to Gewerkschaft Eisenhutte Westfalia. Planer guide arrangement for extraction of mineral in longwall mining operations. 3,419,312, 12–31–68, Cl. 299—32.
Dommann, Gunther, and W. Mennekes, to Gewerkschaft Eisenhutte Westfalia. Coal mining machine. 3,409,329, 11–5–68, Cl. 299—34.
Domokos, Jozsef, G. Benedek, B. Kiss, and L. Winkler, to Hajtomu es Felvonogyar. General testing of sprayable paints and varnishes, especially from the point of view of the electrostatic spray. 3,379,066, 4–23–68, Cl. 73—432.
Domotor, Lorant, to Wagner Electric Corp. Thermionic emissive cathode. 3,369,145, 2–13–68, Cl. 313—346.
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Don, Jules M., to The Stanley Works. Cutting and abrading tools. 3,411,194, 11–19–68, Cl. 29—78.
Donabin, Claude J., to Societe Industrielle Bull-General Electric (Societe Anonyme). Card feeding device. 3,378,251, 4–16–68, Cl. 271—3.
Donahue, Simeon J., to American Chain & Cable Co. Alternate pen actuating mechanism. 3,383,702, 5–14–68, Cl. 346—140.
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Donald, Harold J.: *See*—
Lee, Robert E., and Donald. 3,415,920.
Donald, Harold J., to The Dow Chemical Co. Extrusion die. 3,365,750, 1–30–68, Cl. 18—13.
Donald, Harold J., to The Dow Chemical Co. Apparatus for the preparation of thermoplastic resinous composite articles. 3,397,428, 8–20–68, Cl. 18—13.
Donald, Harold J., to The Dow Chemical Co. Method and apparatus for the extrusion of multi-layer film and sheet. 3,400,190, 9–3–68, Cl. 264—171.
Donald, Harold J., to The Dow Chemical Co. Method of extruding bi-helically oriented thermoplastic tube. 3,404,-203, 10–1–68, Cl. 264—108.
Donald, Harold J., to The Dow Chemical Co. Apparatus for the preparation of reinforced tubes. 3,405,426, 10–15–68, Cl. 18—13.
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Donald, William M.: *See*—
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Donaldson, Charles R., to National Distillers and Chemical Corp. Copolymers of ethylene and vinyl triethoxysilanes and mechanically worked products thereof. 3,392,156, 7–9–68, Cl. 260—88.1.
Donaldson Co., Inc.: *See*—
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Riesberg, Kenneth D., and Gaul. 3,386,230.
Schoen, Donald W. 3,393,498.
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Donaldson, David, to Container Corp. of America. Venting closure. 3,406,862, 10–22–68, Cl. 220—44.
Donaldson, Desmond M., and P. M. Comer, to Borg-Warner Corp. Heat exchange. 3,415,315, 12–10–68, Cl. 165—148.
Donaldson, Erle C., and C. H. Riggs, to United States of America, Interior. Method of treating oil wells to prevent water coning. 3,369,605, 2–20–68, Cl. 166—42.
Donaldson, George R., and R. S. Corey, to Universal Oil Products Co. Olefin-aromatic hydrocarbon copolymers. 3,364,191, 1–16–68, Cl. 260—93.7.
Donaldson, George R., and G. R. Lester, to Universal Oil Products Co. Halogen exchange process. 3,370,096, 2–20–68, Cl. 260—648.
Donaldson, George R., and E. L. Pollitzer, to Universal Oil Products Co. Xylene isomerization process. 3,409,685, 11–5–68, Cl. 260—668.
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Donaldson, Robert E., A. C. Goerss, and J. R. Strausser, to Gulf Research & Development Co. Clay finishing of catalytically hydrofinished lubricating oils. 3,369,999, 2–20–68, Cl. 208—264.

Donaldson, Tommie C., and J. W. Worthy, said Worthy assor. to Q. M. Locke. Visual aid teaching device. 3,364,604, 1–23–68, Cl. 40—31.

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Donalies, Daniel J., to Xerox Corp. Fluidizing electrode development apparatus. 3,393,663, 7–23–68, Cl. 118—637.

Donalies, Daniel J., to Xerox Corp. Xerographic toner dispensing apparatus. 3,396,700, 8–13–68, Cl. 118—637.

Donaruma, Lorraine G., to Research Corp. Homopolymer of 2-methacryl-oxytropone. 3,367,915, 2–6–68, Cl. 260—63.

Donaruma, Lorraine G., to Research Corp. Methacrylate esters of tropolones. 3,391,133, 7–2–68, Cl. 260—192.

Donaruma, Lorraine G., to Research Corp. Herbicidal tropolone esters. 3,399,989, 9–3–68, Cl. 71—111.

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Donato, John A.: *See*—
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Donche-Gay, Pierre, to American Engineering Co., Ltd. Barbed wire machine. 3,396,759, 8–13–68, Cl. 140—58.

Donegan, Edward A., to Atomic Energy of Canada Ltd. Impact extrusion process and blank for use therein. 3,391,563, 7–9–68, Cl. 72—258.

Donegan, Howard M., to Westinghouse Electric Corp. Mobile electrical transformer apparatus having means for moving the transformer between operating and transmit positions. 3,377,601, 4–9–68, Cl. 336—65.

Donell, Rolf A., and B.-O. Johansson, to Alfa-Laval AB. Frusto-conical film type evaporator. 3,412,777, 11–26–68, Cl. 159—13.

Donelson, Harlan J., Jr. Grain cleaner. 3,417,868, 12–24–68, Cl. 209—28.

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Donhauser, Hubert. Liquid dispensing apparatus. 3,402,856, 9–24–68, Cl. 222—164.

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Doniger, Jerry, B. Hanisch, and E. Schoenblum, to The Bendix Corp. Aircraft control system for lateral runway alignment. 3,361,392, 1–2–68, Cl. 244—77.

Donkers, Jacobus M., to Verschure & Co.'s Scheepswerf en Machinefabriek N.V. Ore separating apparatus. 3,367,500, 2–6–68, Cl. 209—456.

Donkers, Jacobus M., to Verschure & Co's Scheepswerf en Machinefabriek N.V. Suction dredger installation, more particularly a towed dredger. 3,407,520, 10–29–68, Cl. 37—58.

Donkers, Jacobus M., to Verschure & Co.'s Scheepswerf EN Machinefabriek N.V. Loading and unloading equipment. 3,416,842, 12–17–68, Cl. 302—34.

Donkers, Mathias, and E. B. G. Nijhof, to North American Philips Co., Inc. Circuit arrangement for luminous advertising in which the light sources flash up consecutively and are simultaneously extinguished. 3,374,395, 3–19–68, Cl. 315—15.

Donkersloot, Arie, to Electronic Flag Poles, Inc. Flagpole assembly. 3,418,967, 12–31–68, Cl. 116—173.

Donkin, Ralph F., to American Screen Products Co. Combination door insert kt. 3,377,747, 4–16–68, Cl. 49—414.

Donleavy, Thomas J. Nursing device. 3,395,822, 8–6–68, Cl. 215—11.

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Donley, Charles D., D. Donley, Jr., D. Donley, and D. L. Rieger, to Donley Bindery Co., Inc. Apparatus for feeding work to and from a work station. 3,370,493, 2–27–68, Cl. 83—155.

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Donley, Philip F. 3,391,941.

Donlin, Gerald M. Edge banding machine. 3,405,022, 10–8–68, Cl. 156—380.

Donlon, Richard H., and H. Sinko, to General Motors Corp. Independent wheel suspension. 3,374,005, 3–19–68, Cl. 280—124.

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Donnally, Bailey L., to Lake Forest College. Process for producing negative helium ions. 3,374,384, 3–19–68, Cl. 313—230.

Donnay, Joseph D. H. Highway intersection system. 3,399,379, 8–27–68, Cl. 340—40.

Donnellan, Gerald L.: *See*—
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Donnelly, Alfred F.: *See*—
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Donnelly, Frank M. Gas exhaust and cleaning system. 3,393,497, 7–23–68, Cl. 55—439.

Donnelly, James J., to Mobil Oil Corp. Atomization and burning of liquid hydrocarbons with LPG. 3,393,964, 7–23–68, Cl. 431—2.

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Donnelly, Murray P., and J. E. Knoblock, to Ford Motor Co. Hydraulic tappet assembly. 3,406,668, 10–22–68, Cl. 123—90.

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Doucette, Edmund J. Collapsible sawhorse. 3,414,080, 12–3–68, Cl. 182—155.

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Duell, Enid G., and H. R. Thomas, to Imperial Chemical Industries Ltd. Dispersions of synthetic polymers containing heteroatoms between monomer units. 3,383,352, 5–14–68, Cl. 260—33.6.

Duepner, Fenton. Infrared energy responsive device having thermo sensitive resistors thermally connected to a pair of infrared energy absorbers. 3,391,278, 7–2–68, Cl. 250—83.3.

Duerden, Francis, and P. D. Allen, to A. C. Cossor Ltd. Apparatus for electrically identifying one of a number of stations. 3,382,322, 5–7–68, Cl. 179—2.

Duerr, Dieter, H. Aebi, and L. Ebner, to Ciba Ltd. N-4-bromo-2-methyl phenyl-N'-N'-di-methyl formamidine and process for preparing the same. 3,394,397, 7–23–68, Cl. 260—564.

Duerr, Dieter, and V. Dittrich, to Ciba Ltd. Method of combatting insects with phenylthiourea compounds. 3,395,233, 7–30–68, Cl. 424—322.

Duerr, Melvin V., M. L. Granberg, and J. J. Stoffel, to Sperry Rand Corp. Electron beam deflection speed-up circuit. 3,378,720, 4–16–68, Cl. 315—27.

Duerst, Felix, to Firma Isokorkwerk. Hoisting apparatus with a swingable boom and tackle, in particular for the building industry. 3,391,906, 7–9–68, Cl. 254—142.

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Brunson, Bruce W., Sporte, and Dufendach. 3,385,237.

Dufendach, William R., and M. J. Applegate, to American Seating Co. Instruction apparatus for classrooms. 3,378,639, 4–16–68, Cl. 179—1.

Duff, James B., and L. W. Pieper, to General Electric Co. Method of forcing back electrical coils carried by slotted structure. 3,407,484, 10–29–68, Cl. 29—596.

Duff, Joseph H., and A. J. Soriente, to Onion Tank Car Co., Corp. Water treating apparatus. 3,397,788, 8–20–68, Cl. 210—195.

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Profet, Anthony G. 3,371,551.

Duff, T. H. Engines. 3,381,671, 5–7–68, Cl. 123—45.

Duffey, Donn W., to The Durlron Co., Inc. Plug valves. 3,383,088, 5–14–68, Cl. 251—317.

Duffey, Murl A. Automatic mail signal for mail boxes. 3,408,978, 11–5–68, Cl. 116—132.

Duffie, James A., to The Youngstown Steel Door Co. Lading bar mechanism for railway car doors. 3,362,354, 1–9–68, Cl. 105—369.

Duffield, Albert J., to Olin Mathieson Chemical Corp. Shaping tubular shells and ammunition cartridges. 3,363,296, 1–16–68, Cl. 29—1.3.

Duffield, Joseph F.: *See*—
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Duffield, Joseph F., and Z. R. Godziemba-Dambski, to Smith & Stone Ltd. Actuator and contact assembly for rotary action switches. 3,381,103, 4–30–68, Cl. 200—156.

Duffield, Joseph F., and Z. R. Godziemba-Dambski. Spring loaded side contact. 3,383,647, 5–14–68, Cl. 339—256.

Duffield, Robert B.: *See*—
Fortescue, Peter, Bell, and Duffield. 3,413,196.

Duffin, George F.: *See*—
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Duffy, John J. Self-monitoring automotive condition-warning system. 3,409,873, 11–5–68, Cl. 340—52.

Duffy, John M.: *See*—
Williams, Gerald I., Boucher, Duffy, and Olson. 3,418,043.

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Armstrong, William J., Healy, and Duffy. 3,416,224.

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Haycock, Gerald E., and Duffy. 3,369,836.

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Duffy, William B., to United-Carr Inc. Captive-bolt assembly. 3,394,747, 7–30–68, Cl. 151—69.

Duflot, Jean, and P. Vayssiere, to Institut de Recherches de la Siderurgie Francaise Saint Germain-en-Laye. Apparatus and method for continuous casting of material, especially ferrous material. 3,406,737, 10–22–68, Cl. 164—86.

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Biet, Jean-Pierre, and Dufour. 3,397,370.

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Dufournet, Raymond E. Apparatus for treating aqueous waste. 3,401,797, 9–17–68, Cl. 210—195.

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DuFresne, Armand F., and W. H. Goodwin, to Dupaco Inc. Electric heating apparatus for warming a parenteral fluid. 3,370,153, 2–20–68, Cl. 219—302.

Dufresne, Edmund A. Electric razor cleaning system. 3,396,462, 8–13–68, Cl. 30—41.5.

Dufresne, Jacques: *See*—
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Dufresne, Jacques, F. Farfaletti-Casali, and G. Volta, to European Atomic Energy Community (Euratom) Nuclear reactor cooling channel with internal solid insulation. 3,411,988, 11–19–68, Cl. 176—87.

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Dugan, Norman G., Jr., to Burroughs Corp. Power supply test apparatus having means to repeatedly short the power supply. 3,383,589, 5–14–68, Cl. 324—57.

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Freehauf, Eugene G., and Dugan. 3,396,459.
Freehauf, Eugene G., and Dugan. 3,370,351.

Dugan, William P., A. E. Flanders, R. F. Robins, and C. E. Feighner, to General Dynamics Corp. Electronic transmission material and method of fabrication. 3,367,754, 2–6–68, Cl. 29—199.

Dugay, Pierre H., to DBA. Gyroscopic instrument with means for introducing its angular data into a digital computer. 3,373,616, 3–19–68, Cl. 74—5.6.

Dugdale, Ronald A., to United Kingdom Atomic Energy Authority. Cold cathode, glow discharge devices. 3,383,550, 5–14–68, Cl. 315—31.

Dugdale, Ronald A., to United Kingdom, Atomic Energy Authority. Nonthermionic hollow cathode discharge devices. 3,406,307, 10–15–68, Cl. 313—231.

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Duggan, Joseph P. Knockdown-type shipping container having built-in fastening means. 3,381,840, 5–7–68, Cl. 217—65.

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Dugger, Gordon L., and F. S. Billig, to United States of America, Navy. Fuel injection pylons. 3,386,249. 6–4–68, Cl. 60—270.

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Duggins, Ray B., and H. L. Jackson, to E. I. du Pont de Nemours and Co. Gas pressure impregnation of porous bearing with molten tetrafluoroethylene polymer. 3,369,924, 2–20–68, Cl. 117—65.2.

Duhamel, Raymond F., and R. C. Holland, to United Aircraft Corp. Self-cleaning electron beam exit orifice. 3,393,289, 7–16–68. Cl. 219—121.

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Duharte-Francia, Carlos A., to Continental Can Co., Inc. Composition for imparting anti-scuff properties to a fibrous article and the resulting article. 3,376,161, 4–2–68, Cl. 117—161.

Duhl, Daniel, to Indian Head Mills, Inc. Open-mesh fabric. 3,389,583. 6–25–68, Cl. 66—193.

Duhl, Daniel, to Indian Head Mills, Inc. Nonwoven fabric and method of making the same. 3,392,078, 7–9–68, Cl. 161—50.

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Dukas, John. Door and frame constructions. 3,396,490, 8–13–68, Cl. 49—382.

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Duke, James B.: *See*—
Jacobs, Daniel A., and Duke. 3,398,008.

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Prem, Dorothy C., Duke, and Greene. 3,361,722.

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Duke, Paul, and J. E. Harpole, to Ceco Corp. Scaffold. 3,391,757, 7–9–68, Cl. 182—17.

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Christofas, Alkis, and Dukert. 3,402,427.

Dukes, Theodor A., and R. N. Zapata, to United States of America, Navy. Magnetic suspension system. 3,370,205, 2–20–68, Cl. 317—123.

Dulaney, Eugene L., and I. Putter, to Merck & Co., Inc. Fermentative production of N-ethyloxytetracycline. 3,390,055, 6–25–68, Cl. 195—80.

Dulaney, Eugene L., and I. Putter, to Merck & Co., Inc. N-ethyloxytetracycline. 3,394,178, 7–23–68, Cl. 260—559.

Dulat, Joseph, to United States Borax & Chemical Corp. Sodium calcium metaborate. 3,390,955, 7–2–68, Cl. 23—59.

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Duley, Wayne D., to Duley Steel Products, Inc. Scroll forming apparatus. 3,381,510, 5–7–68, Cl. 72—146.

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Dulin, William E., and J. B. Wright, to The Upjohn Co. Treatment of hyperlipidemia with 3-methyl-5-alkylpyrazole-1-carboxamide. 3,389,050, 6–18–68, Cl. 167—65.

Duling, Irl N., to Sun Oil Co. Eutectic mixture of octahydroanthracene and octahydrophenanthrene. 3,371,045, 2–27–68, Cl. 252—73.

Duling, Irl N., and A. Schneider, to Sun Oil Co. Diesters containing adamatane nuclei. 3,398,165, 8–20–68, Cl. 260—410.

Dulis, Edward J., and A. Kasak, to Crucible Steel Co. of America. Valve steel. 3,401,036, 9–10–68, Cl. 75—128.

Dully, Floyd I., to General Motors Corp. Sunshade support assembly. 3,374,031, 3–19–68, Cl. 296—97.

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Dumanchin, Roger, to Compagnie Generale d'Electricite. Crystal laser device. 3,406,354, 10–15–68, Cl. 331—94.5.

Dumanoir, Jean L., to Schlumberger Technology Corp. Methods of investigating subsurface earth formations by combining the electrical resistivities at different lateral depths within the formations. 3,397,356, 8–13–68, Cl. 324—1.

Dumas, Guy H., to Societe Industrielle De Liaisons Electriques. Apparatus for measuring the level of cryogenic liquids. 3,371,533, 3–5–68, Cl. 73—295.

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Dumbaugh, William H., Jr., to Corning Glass Works. Low thermal expansion glasses. 3,404,015, 10–1–68, Cl. 106—52.

Dumbeck, Robert F. Traffic speed detection and measuring systems. 3,381,219, 4–30–68, Cl. 324—70.

Dumesnil, Maurice E., to Fairchild Camera and Instrument Corp. Low melting oxade glass. 3,408,212, 10–29–68, Cl. 106—47.

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Dunaway, Raymond O. Collapsible station wagon pad. 3,360,806, 1–2–68, Cl. 5—357.

Dunay, John, 50% to L. C. Nachtman. Oscillatory motor. 3,418,502, 12–24–68, Cl. 310—32.

Dunbar, Glenn G., to The D & M Equipment Co. Hoisting fork. Re. 26,442, 8–13–68, Cl. 294—67.

Dunbar, Joseph E., to Dow Chemical Co. Preparation of 5,8 - dihydro - 5,8 - methano-1,4-naphthalenedisulfonamides. 3,375,275, 3–26–68, Cl. 260—556.

Dunbar, Joseph E., and J. A. Rogers, to The Dow Chemical Co. Process for producing sulfenamides. 3,412,144, 11–19–68, Cl. 260—501.19.

Duncan, Alan C.: *See*—
Duncan, Theodore R., and Aleson. 3,410,564.

Duncan, Dan G.: *See*—
Jackson, Charles A., Beason, and Duncan. 3,410,394.

Duncan, Earl N. Device for indicating attainment of proper golf swing movements. 3,368,817, 2–13–68, Cl. 273—183.

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Brown, Robert A. 3,413,547.
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Duncan, Eugene F., to Cutler-Hammer, Inc. Pneumatic timing device having straight through operation. 3,408,465, 10–29–68, Cl. 200—34.

Duncan, Eugene F., and C. E. Sauers, to Cutler-Hammer, Inc. Means for mounting a lever to a rotatable shaft. 3,385,129, 5–28–68, Cl. 74—545.

Duncan, Glen R., and W. H. Wertz, to Litton Systems, Inc. Adder. 3,388,239, 6–11–68, Cl. 235—175.

Duncan, Golda A., and R. N. Aleson, to Lorraine Industries, Inc. Phonograph device. 3,371,934, 3–5–68, Cl. 274—1.

Duncan, James A., to Grinnell Corp. Overhead loom cleaner. 3,376,596, 4–9–68, Cl. 15—312.

Duncan, Lloyd P., to Zero Mfg. Co. Milking unit and process. 3,373,720, 3–19–68, Cl. 119—14.02.

Duncan, Lloyd P., to Zero Mfg. Co. Milking unit and process. 3,406,663, 10–22–68, Cl. 119—14.01.

Duncan, Noel G. Remote-control systems with coded audio signals. 3,384,713, 5–21–68, Cl. 179—2.

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Duncan, Richard W. Self-cleaning grill and instant charcoal lighter. 3,368,544, 2–13–68, Cl. 126—25.

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Duncan, Sydney F., deceased, by E. E. Duncan, and C. O. Boothe, to Farr Co. Eliminator type air filter. 3,411,273, 11–19–68, Cl. 55—387.

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Duncan, Theodore R., and R. N. Aleson; said T. R. Duncan assignor of ¼ each to T. Roger and A. C. Duncan. Miniature phonograph. 3,410,564, 11–12–68, Cl. 274—1.

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Duncan, William, and R. Blood, to Donaldson Bros. (Alloa 1937) Ltd., and William Cotton Ltd. Straight bar knitting machines. 3,401,539, 9–17–68, Cl. 66—148.

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Duncanson, Leonard A., and H. G. Lawley, to Imperial Chemical Industries Ltd. Process for the co-oxidation of cyclohexane and a ketone having an alpha-methylene group. 3,361,807, 1–2–68, Cl. 260—533.

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Duncker, Michiel J., and J. J. H. G. Daamen, to Algemene Kunstzyde Unie N. V. Apparatus for making a yarn connection. 3,406,994, 10–22–68, Cl. 289—2.

Duncomb, Peter, to T. I. (Group Services) Ltd. Electron probe micro-analysis with specific X-Ray spectrometer structure. 3,365,574, 1–23–68, Cl. 250—49.5.

Dundee Cement Co.: *See*—
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Ostberg, Werner, and Challis. 3,375,042.
Ostberg, Werner, and Challis. 3,409,333.

Dunderdale, George T. Load-bracing hinge structure. 3,378,889, 4–23–68, Cl. 24—16.

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Dundr, Otto J., to Shooting Equipment, Inc. Bullet deflecting device. 3,404,886, 10–8–68, Cl. 273—102.4.

Dundr, Otto J. Bullet trap with upwardly inclined impact plates. 3,404,887, 10–8–68, Cl. 273—102.4.

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Dungan, Stephen C., to Stanray Corp. Coil spring type coupler centering device. 3,371,802, 3–5–68, Cl. 213—20.

Dungan, Straughter H. Compartmented ice chest. 3,395,550, 8–6–68, Cl. 62—400.

Dungler, Julien, to Scholl AG. Apparatus for the fluid treatment of web material. 3,371,509, 3–5–68, Cl. 68—5.

Dungler, Julien, to K. E. Merckle. Apparatus for purification of gases. 3,375,638, 4–2–68, Cl. 55—116.

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Soumeral, Henri, Moody, Hamilton, and Blatt. 3,408,827.
Soumeral, Henri, Moody, Hamilton, and Blatt. 3,408,828.

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Dunkel, Morris, to Universal Oil Products Co. Color improved polymeric polyester compositions of matter and method of preparing same. 3,365,424, 1–23–68, Cl. 260—75.

Dunkel, Morris, to Universal Oil Products Co. 4,7-methanoindene derivatives. 3,407,225, 10–22–68, Cl. 260—488.

Dunkel, Morris, to Universal Oil Products Co. Dicycloheptane tricarboxylic acids, anhydrides and alkyl esters thereof. 3,413,317, 11–26–68, Cl. 260—346.3.

Dunkel, Morris, to Universal Oil Products Co. Polymeric compositions of matter formed by the reaction of prepolymers with polyhalopolyhydrodimethanonaphthalenedicarboxylic acids and anhydride thereof. 3,417,063, 12–17–68, Cl. 260—78.4.

Dunkel, Morris, to Universal Oil Products Co. 4,7-methanoindene derivatives. 3,417,132, 12–17–68, Cl. 260—488.

Dunkel, Morris, and D. J. Eckhardt, to Universal Oil Products Co. Interfacial polymerization on wool using a polyacid polyhalide and a combination of polyamines. 3,390,949, 7–2–68, Cl. 8—127.6.

Dunkelis, Evalds, to GPE Controls, Inc. Floating hinged cover. 3,373,893, 3–19–68, Cl. 220—38.

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Dunlap, Ralph E. and E. H. 3,376,042.

Dunlap, Henry F.: *See*—
Reed, Dale H., Dunlap, Hutchinson, McCallum, and Pritchett. 3,368,075.
Reed, Dale H., Dunlap, Hutchinson, McCallum, and Pritchett. 3,394,256.
Reed, Dale H., Dunlap, and Pritchett. 3,389,258.

Dunlap, Ralph E. and E. H. Game piece and spanner connector game apparatus. 3,376,042, 4–2–68, Cl. 273—130.

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Kamborian, Jacob S., Becka, and Dunlap. Re. 26,355.
Peterson, Evald O., and Dunlap. 3,393,429.

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Dunlap, Samuel G., A. Rakus, E. R. Martin, G. W. Vicary, and I. H. Sage, to Caterpillar Tractor Co. Combined load cylinder and spindle for a welding machine. 3,412,916, 11–26–68, Cl. 228—2.

Dunlap, William C., Jr., to The Bendix Corp. Solid state conduction circuit used as a television receiver display device. 3,363,056, 1–9–68, Cl. 178—7.3.

Dunlavey, Robert J., to Teletype Corp. Electrode assembly for fluid transfer device. 3,397,345, 8–13–68, Cl. 317—3.

Dunlavy, John H., Jr., to Antenna Research Associates, Inc. Small unidirectional antenna array employing spaced electrically isolated antenna elements. 3,396,398, 8–6–68, Cl. 343—814.

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Dunlevy, Barry O., and L. E. Harper, Jr., to TRW, Inc. Liner for crucibles. 3,401,227, 9–10–68, Cl. 13—35.

Dunlop, Andrew P., D. G. Manly, and F. J. Rice, Jr., to The Quaker Oats Co. Method of production of monocyclohexylamine. 3,415,881, 12–10–68, Cl. 260—563.

Dunlop, Arthur K., G. C. Blytas, and E. R. Bell, to Shell Oil Co. Separation of hydrocarbons by cuprous salts. 3,401,112, 9–10–68, Cl. 208—308.

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Strohmeyer, Charles, Jr. 3,399,656.
Electroglas, Inc.: *See*—
Hampton, Gordon P. 3,385,921.
Hampton, Gordon P. 3,409,727.
Lasch, Cecil A., Jr. 3,370,120.
Electrographic Corp.: *See*—
Bungay, George W., Jr. 3,368,439.
Electrohome Ltd.: *See*—
Buhr, Jacob. 3,407,360.
Ronback, James A. 3,403,264.
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Jonsson, Kurt A. 3,391,418.
Electrolux Corp.: *See*—
Allen, Oliver L., Kowalewski, and Ritzau. 3,380,108.
Anderson, James. 3,401,850.
Anderson, James. 3,407,377.
Bayless, Frank K. 3,366,316.
Belicka, Michael E. 3,380,105.
Belicka, Michael E. 3,382,525.
Descarries, Raymond. 3,380,106.
Electrolux Corp.: *See*—Continued
Downey, David F. 3,383,030.
Ferraris, John T., and Kowalewski. 3,387,319.
Johanson, Ralph A. W., and Le Baigue. 3,401,952.
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Mought, John J., Greene, Allen, and Lampe. 3,401,417.
Reid, Robert A. 3,404,466.
Ritzau, William P. 3,380,103.
Ritzau, William P., and Budington. 3,380,104.
Ritzau, William P., and Danks. 3,380,107.
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Electromagnetic Industries, Inc.: *See*—
Legatti, Raymond H. 3,382,425.
Legatti, Raymond H. 3,386,028.
Legatti Raymond H. 3,403,337.
Legatti, Raymond H. 3,418,554.
Electromatic Beer Controls, Ltd.: *See*—
Smith, Leonard H., and McMillan. 3,408,036.
Electromatic Mfg. Co., Inc.: *See*—
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Electromechanical Devices, Inc.: *See*—
Doundoulakis, George J., and Carathanassia. 3,414,437.
Doundoulakis, George J., and Helias. 3,414,666.
Electrometre, S.A.: *See*—
Meyer, Carlo. 3,385,472.
Rutenberg, Abraham. 3,416,075.
Electronic Associates Inc.: *See*—
Embley, Ronald W., and Spampanato. 3,393,369.
Kedson, Leonard. 3,383,610.
Kedson, Leonard, and Tempel. 3,361,982.
Massell, Edward M., and Hagedorn. 3,404,309.
Massell, Edward M., and Keene. 3,361,899.
Mitchell, Ewart E. L. 3,411,992.
Schmidt, James L., and Sinnott. 3,389,306.
Tonnessen, Alfred G. 3,407,293.
Tonnessen, Alfred G. 3,412,342.
Zachev, Ivan. 3,395,359.
Electronic Calculating Service, Inc.: *See*—
Blum, Victor. 3,410,001.
Electronic Communications, Inc.: *See*—
Bonnell, Charles R. 3,407,659.
Hughes, Bill B. 3,396,626.
Electronic Controls, Inc.: *See*—
Angel, Henry R., and Morgan. 3,418,608.
Electronic Devices, Inc.: *See*—
Rosenberg, Harold B. 3,373,335.
Electronic Engineering Co. of California: *See*—
Kellis, James T. 3,363,110.
Electronic Flag Poles, Inc.: *See*—
Donkersloot, Arie. 3,418,967.
Electronic Image Systems Corp.: *See*—
Wernikoff, Robert, Epstein, and Schreiber. 3,394,352.
Electronic Instruments Corp.: *See*—
Marino, Joseph P. 3,366,840.
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Electronic Systems, Inc.: *See*—
Morris, Harold B. 3,374,663.
Electronics Corp. of America: *See*—
Giuffrida, Philip, and Cade. 3,376,099.
Giuffrida, Philip, and Cade. 3,393,037.
Giuffrida, Philip, and Pratt. 3,416,041.
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Szmereta, Bernard J., Connor, and Hurley. 3,382,973.
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Electrovert Inc.: *See*—
Orban, George A. 3,368,247.
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Ahlert, Wilhelm. 3,409,962.
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Haavik, Niles J., and Nyberg. 3,388,205.
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Krogsrud, Harald. 3,396,954.
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Rijnders, Johannes, and Elenbaas. 3,375,363.
Elenbogen, Gilbert D., to Vitamins, Inc. Edible dietary spread and method of making same. 3,397,995, 8–20–68, Cl. 99—116.
Elenbogen, Gilbert D., and M. Baron, to Vitamins, Inc. Imitation cream cheese spread containing polyunsaturated fat. 3,397,994, 8–20–68, Cl. 99—116.
Elenburg, Wayland D., to Walker-Neer Mfg. Co., Inc. Drill bit. 3,416,617, 12–17–68, Cl. 175—339.
Elenburg, Wayland D., to Walker-Neer Mfg., Inc. Well drilling method. 3,419,092, 12–31–68, Cl. 175—69.
Elenga, Cornelis W., O. Reifenschweller, and M. H. M. Schenkelaars, to North American Philips Co., Inc. Ion source having an annular permanent magnet. 3,408,526, 10–29–68, Cl. 313—154.
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Eleuterio, Herbert S., and T. A. Koch, to E. I. du Pont de Nemours and Co. Cyclododecatriene-1,5,9 process. 3,381,047, 4–30–68, Cl. 260—666.
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Elfers, Henry, to Lumoprint Zindler K. G. Method for igniting several fluorescent lamps and circuit arrangement for carrying out this method. 3,372,301, 3–5–68, Cl. 315—106.
Elfes, Lee E., and E. W. Todd, to Massey-Ferguson Inc. Drive arrangement for bale throwers. 3,404,768, 10–8–68, Cl. 198—128.
Elflein, Friedrich, W. Hudetz, and T. Schwarz, to Fartrizid-Gesellschaft Hackenbruch & Co. Rivetless and screwless connection for force fit and sliding fit of adjacent structural elements. 3,363,386, 1–16–68, Cl. 52—586.
Elford, David, to FMC Corp. Apparatus for coordinating a fruit processing machine. 3,378,050, 4–16–68, Cl. 146—51.
Elford, David, to FMC (Australia) Ltd. Container filling apparatus. 3,404,713, 10–8–68, Cl. 141—67.
Elfstrom, Philip D. Illuminated sign. 3,386,197, 6–4–68, Cl. 40—132.
Elfstrom, Wallace, and I. E. Garmon, to Hoerner Boxes, Inc. Arrow holder and spacer pad. 3,366,232, 1–30–68, Cl. 206—65.
Elfving, Thore M. Thermoelectric heat pump assembly. 3,360,942, 1–2–68, Cl. 62—3.
Elg, Carl E. Four wheel drive vehicle. 3,367,435, 2–6–68, Cl. 180—6.2.
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Elgner, Rudolf, to A. Fritsch KG. Dough-rolling device. 3,368,502, 2–13–68, Cl. 107—4.
Elgner, Rudolf, to A. Fritsch, KG. Device for forming crescent rolls and similar baked goods. 3,398,701, 8–27–68, Cl. 107—9.
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Elia, Petros and K. 3,394,934.
Elia, Louis. Detachable headliner. 3,379,469, 4–23–68, Cl. 296—137.
Elia, Petros and K. Rowing-type exercising equipment. 3,380,737, 4–30–68, Cl. 272—72.
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Elias, William F., to American Home Products Corp. Universal disposable cartridge for parenteral administration of drugs. 3,380,452, 4–30–68, Cl. 128—221.
Elias, William H., to General Electric Co. Composite AM-FM intermediate frequency amplifier. 3,417,341, 12–17–68, Cl. 330—28.
Eliason, Raymond E., to Itek Corp. Cutting mechanism. 3,376,775, 4–9–68, Cl. 83—582.
Eliassen, Gunnar T., to Aktiebolaget Electrolux. Conveyor system. 3,361,079, 1–2–68, Cl. 104—88.
Elich, John, to The Western Union Telegraph Co. Line driver for modifying lengths of polar signals. 3,411,021, 11–12–68, Cl. 307—265.
Elich, John, and V. C. Kempf, to The Western Union Telegraph Co. Duplex way station selector. 3,374,309, 3–19–68, Cl. 178—2.
Elich, Nick F., to Star-Kist Foods, Inc. Apparatus for separating fish meat from bones. 3,372,723, 3–12–68, Cl. 146—76.
Elich, Nick F., to Star-Kist Foods, Inc. Can loader. 3,402,804, 9–24–68, Cl. 198—41.
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Elineau, Hubert, to R. Senard et Fils. Continuous motion shearing machine, particularly for products in strips. 3,398,616, 8–27–68, Cl. 83—305.
Elin-Union Aktiengesellschaft fur Elektrisohe Industrie: *See*—
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Elisch, Carl H. Containers. 3,371,773, 3–55–68, Cl. 206—45.31.
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Hadinec, Frantisek. 3,378,038.
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Prasil, Vladimir. 3,373,947.
Rambousek, Zdenek. 3,401,722.
Svaty, Vladimir, and Bilek. 3,370,618.
Vajda, Andrej, Danhel, and Techacek. 3,377,821.
Elizer, Lee H., G. C. Glasscock, and J. M. Seitz, to The Hubinger Co. Anionic agent aftertreatment of cyanamide-modified cellulose. 3,380,799, 4–30–68, Cl. 8—116.2.
Elkin, Eugene M.: *See*—
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Elkin, Harold L.: *See*—
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Schwartz, Joseph L., and Elkin. 3,402,135.
Elkin, Harold L., to Thiokol Chemical Corp. Hydrophilic urethane compositions and process for preparation of moisture containing breathable fabrics. 3,384,506, 5–21–68, Cl. 117—62.
Elkin, Harold L., C. C. De Pugh, and J. L. Schwartz, to Thiokol Chemical Corp. Coal tar prepolymers and the cure products thereof. 3,412,050, 11–19–68, Cl. 260—2.5.
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Ellamac Inc.: *See*—
MacChesney, Chester M. 3,400,507.
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Edmonds, Byron P., and Elledge. 3,402,967.
Ellege, Weldon B.: *See*—
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Ellenberg, Carl H., A. Weinstein, D. D. Litt, and D. B. Jaroff, to Miner Industries, Inc. Balloon vending machine. 3,380,490, 4–30–68, Cl. 141—167.
Ellenberger, Donald L.: *See*—
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Schaefer, Edward J., Refice, and Ellenberger. 3,384,769.
Eller, Dale L., and T. R. Barton, to Top Form-Yolande, Inc. Stacking machine for flexible workpieces. 3,367,651, 2–6–68, Cl. 271—70.
Eller, Fritz. Bearing assembly for shafts and the like. 3,369,087, 2–13–68, Cl. 200—47.
Eller, Harold E., and R. Salvat, to The Hays Corp. Magnetic flow transmitter system. 3,362,221, 1–9–68, Cl. 73—194.
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Ellerbrock, Donald H. Composite can with easy opening scored can opener end. 3,397,809, 8–20–68, Cl. 220—48.
Ellerbrock, Donald H., J. J. Galbierz, and J. D. Beckley, to R-C Can Co. Liquid package and process for producing the same. 3,381,594, 5–7–68, Cl. 93—39.1.
Ellert, Henry G.: *See*—
Pine, Lloyd A., and Ellert. 3,361,832.
Ellestad, Thomas G., to General Electric Co. Differential amplifier. 3,401,351, 9–10–68, Cl. 330—69.
Ellett, Alec S., to Ellett Copper & Brass Co., Ltd. Process and apparatus for continuous de-aerating of fruit and vegetables. 3,399,999, 9–3–68, Cl. 99—154.
Ellett Copper & Brass Co., Ltd.: *See*—
Ellett, Alec S. 3,399,999.
Ellett, John A., B. B. Brinker, Jr., and R. B. Love, to Hughes Aircraft Co. Cordwood package with removable plugs. 3,377,516, 4–9–68, Cl. 317—101.

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Elliot Laboratories, Inc.: *See*—
Ilg, John C. 3,399,040.
Elliot, Robert A.: *See*—
Newman, John D., and Elliot. 3,375,448.
Newman, John D., and Elliot. 3,390,340.
Elliott, Bernard V., to H. S. Price Co. Double jointing pipe rack. 3,392,898, 7–16–68, Cl. 228—48.
Elliott Brothers (London) Ltd.: *See*—
Bevan, Frank H. 3,387,302.
Ellis, Stafford M. 3,413,857.
Heller, Fritz P. 3,415,951.
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Hoskins, David V. H. 3,393,560.
Marshall, Derek, and Watson. 3,366,351.
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Wilson, Peter. 3,407,643.
Winn, Roger F. E. 3,419,784.
Elliott Business Machines Inc.: *See*—
Johnston, Merle R. 3,407,725.
Elliott, Charles G., to Alloys Unlimited, Inc. Flat package for semiconductors. 3,404,214, 10–1–68, Cl. 174—52.
Elliott, Charles H.: *See*—
Cullen, Roy H., Elliott, and Aker. 3,372,762.
Cullen, Roy H., Zilliox, Elliott, and Aker. 3,378,811.
Elliott, Curtis H., Jr., to W. R. Grace & Co. Process for preparing molecular sieves. 3,401,121, 9–10–68, Cl. 252—184.
Elliott, Dale E.: *See*—
Moore, William P., and Elliott. 3,380,667.
Moore, William P., and Elliott. 3,394,136.
Elliott, Dale E., and G. A., and W. P. Moore, to Allied Chemical Corp. Production of cyanuric acid. 3,415,822, 12–10–68, Cl. 260—248.
Elliott, Earl H., and J. A. Eller. Viscose degasification apparatus. 3,368,330, 2–13–68, Cl. 55—193.
Elliott, Edgar R.: *See*—
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Elliott, Ernest C., to Weil-McLain Co., Inc. Valance type heat exchanger with trough means. 3,367,132, 2–6–68, Cl. 82—285.
Elliott & Evans, Inc.: *See*—
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Elliott, Francis E.: *See*—
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Elliott, George A.: *See*—
Elliott, Dale E. and G. A., and Moore. 3,415,822.
Elliott, Harold F. Electromagnetic reciprocating fluid pump. —3,381,623, 5–7–68, Cl. 103—152.
Elliott, Harold V., to General Motors Corp. Automatic turn signal cancelling system with an immediate recancellation capability. 3,364,319, 1–16–68, Cl. 200—61.3.
Elliott, Hartwell A. Trenching machine. 3,368,358, 2–13–68, Cl. 61—72.4.
Elliott, Henry H.: *See*—
Woyski, Mark M., Bradford, and Elliott. 3,383,181.
Elliott, Howard A., to Essex Wire Corp. Construction for a panel lamp socket assembly. 3,364,456, 1–16–68, Cl. 339—128.
Elliott, James F., to General Electric Co. Temperature compensated semiconductor strain gage. 3,368,179, 2–6–68, Cl. 338—3.
Elliott, James F., to General Electric Co. Piezoresistive thermometer. 3,403,558, 10–1–68, Cl. 73—362.
Elliott, James K., and J. E. Edwards, Jr., to Macco Oil Tool Co., Inc. Automatic downhole gas lift apparatus. 3,415,199, 12–10–68, Cl. 103—248.
Elliott, Jennings W., and D. R. Grine, to Schlumberger Well Surveying Corp. Acoustical well logging methods and apparatus. 3,390,377, 6–25–68, Cl. 340—18.
Elliott, John E., and A. P. Morrell, to International Standard Electric Corp. Production of metallic compacts. 3,379,525, 4–23–68, Cl. 75—221.
Elliott, John S., E. D. Edwards, and G. J. J. Jayne, to Castrol Ltd. Additives for lubricating compositions. 3,367,864, 2–6–68, Cl. 252—32.7.
Elliott, John S., E. D. Edwards, and A. D. Brazier, to Castrol Ltd. (formerly C. C. Wakefield & Co. Ltd.). C-Dialkylation of phenothiazine. 3,393,193, 7–16–68, Cl. 260—243.
Elliott, John S., E. D. Edwards, and A. D. Brazier, to Castrol Ltd. Lubricating compositions and antioxidants therefor. 3,376,224, 4–2–68, Cl. 252—47.5.
Elliott Machine Tools Ltd.: *See*—
Selby, James. 3,410,158.
Elliott, Norman B., and R. H. Greensmith. Building structure with a waterproof seal. 3,381,436, 5–7–68, Cl. 52—468.
Elliott, Paul C. Kit for controlling mattress fires. 3,361,214, 1–2–68, Cl. 169—2.
Elliott, Richard L.: *See*—
Breed, Laurence W., and Elliott. 3,366,593.
Elliott, Richard M. to United Shoe Machinery Corp. Tools for setting blind rivets. 3,415,102, 12–10–68, Cl. 72—931.
Elliott, Richard M., to Associated Electrical Industries Ltd. Mass spectrometer ion source with cooling means. 3,418,513, 12–24–68, Cl. 313—230.
Elliott, Robert E., to Frank Wheatley Pump & Valve Mfg. Check valve having improved valve seat. 3,394,731, 7–30–68, Cl. 137—527.8.
Elliott, Robert L., to Perfection Plastics, Inc. Tape reel. 3,410,500, 11–12–68, Cl. 242—71.8.
Elliott, William I., and J. L. Randall. High resolution potentiometer. 3,399,368, 8–27–68, Cl. 338—177.
Elliott, William I., and J. L. Randall. Method for forming cooperatively threaded parts. 3,407,251, 10–22–68, Cl. 264—135.
Ellis, Alan F., to Gulf Research & Development Co. Process of preparing a nitro-nitroso dimer from an olefinic hydrocarbon and a mixture of NO and NO_2. 3,379,710, 4–23–68, Cl. 260—143.
Ellis, Alan F., J. G. D. Schulz, and A. C. Whitaker, to Gulf Research & Development Co. Process for preparing primary and secondary amines. 3,366,687, 1–30–68, Cl. 260—583.
Ellis, Alan G. Wall attachment for mirrors. 3,367,617, 2–6–68, Cl. 248—497.
Ellis, Arthur W., Jr., and A. A. Black, to United States of America, Army. Electronic commutator. 3,411,136, 11–12–68, Cl. 340—166.
Ellis, Billy J., to Schlumberger Technology Corp. Hydraulic hold-down release. 3,412,799, 11–26–68, Cl. 166—120.
Ellis, Bobby R. Stator coiler. 3,416,575, 12–17–68, Cl. 140—92.1.
Ellis, Charles A., to General Fittings Co. Hot water heating system and regulating valve therefor. 3,387,629, 6–11–68, Cl. 137—614.19.
Ellis, Charles A. Cigarette filter and method of manufacture. 3,394,707, 7–30–68, Cl. 131—10.5.
Ellis, Charles A., to Ritter Pfaudler Corp. Dental handpiece drive mechanism and dental tool holder. 3,418,715, 12–31–68, Cl. 32—26.
Ellis, Charles B., and S. Brown, to Lennox Industries Inc. Hermetic compressor pressure switch. 3,383,031, 5–14–68, Cl. 230—17.
Ellis, Charles C., to Wild Barfield Ltd. Shaker hearth furnaces. 3,381,950, 5–7–68, Cl. 266—24.
Ellis, Charles R.: *See*—
Baker, Allister, and Ellis. 3,391,596.
Geier, George, Ellis, and Baker. 3,406,292.
Ellis, Charles R., to Keuffel & Esser Co. Displacement sensing device. 3,397,608, 8–20–68, Cl. 88—14.
Ellis, Charles R., and A. L. Baker, to Keuffel & Esser Co. Three axis optical alignment device. 3,375,750, 4–2–68, Cl. 88—14.
Ellis, Clarence E. Cooker for grain or the like. 3,385,200, 5–28–68, Cl. 99—237.
Ellis, David T., and W. G. Daly, to Honeywell Inc. Digital synchronizer. 3,402,264, 9–17–68, Cl. 178—69.5.
Ellis, Duncan J.: *See*—
Dawson, John B., and Ellis. 3,385,160.
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Ellis, John T., Jr., and Karbowniczek. 3,365,191.
Ellis, Frank V., to Cameron Iron Works, Inc. Lubricated valve with spring means for relieving excessive sealant pressure. 3,388,715, 6–18–68, Cl. 137—246.22.
Ellis, Fred G., and G. Skaff. Adjustable child's chair. 3,402,962, 9–24–68, Cl. 297—130.
Ellis, Frederick E., and P. J. Standbridge, to Automotive Products Co., Ltd. Power transmission systems providing changes of gear ratio. 3,403,584, 10–1–68, Cl. 74—757.
Ellis, Guy D. Cigarette holder. 3,362,415, 1–9–68, Cl. 131—175.
Ellis, Herbert S., to Lifetime Metal Products, Inc. Water distribution system for swimming pools. 3,363,767, 1–16–68, Cl. 210—169.
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Ellis, James N., to Lear Siegler, Inc. Rotor for inductor alternator. 3,389,281, 6–18–68, Cl. 310—168.
Ellis, Jarrett R., and H. J. Seel, to Harris-Intertype Corp. Sheet delivery slowdown. 3,378,256, 4–16–68, Cl. 271—68.
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Narins, Arthur P., Austin, Ellis, and Conners. 3,397,036.
Ellis, John D., and A. M. Nicholls, to the Government of Israel, Director-General, the Director of Finance Division and the Accountant of the Ministry of Development. Preparation of mixed metal oxides by thermal decomposition of metal salts. 3,378,335, 4–16–68, Cl. 23—51.
Ellis, John H., to University of Kentucky Research Foundation. Sample preparation apparatus and unitary filter-pipette for use therein. 3,415,380, 12–10–68, Cl. 210—202.
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Ellis, John L., to Chromalloy American Corp. Combination machining tool and tool support having improved vibration damping characteristics. 3,362,802, 1–9–68, Cl. 51—309.
Ellis, John L., and S. E. Tarkan, to Chromalloy American Corp. Surface hardened composite metal article of manufacture. 3,368,882, 2–13–68, Cl. 29—195.
Ellis, John L., and S. E. Tarkan, to Chromalloy American Corp. Heat-treatable nickel-containing refractory carbide tool steel. 3,369,892, 2–20–68, Cl. 75—123.
Ellis, John T., and C. W. Glesner, to The Dow Chemical Co. Shingle. 3,412,517, 11–26–68, Cl. 52—520.

Ellis, John T., Jr., and S. Karbowniczek, to Ellis Fluid Cynamics Corp. Shock absorber. 3,365,191, 1–23–68, Cl. 267—64.

Ellis, Lacoste G., to Sun Oil Co. Method of seismographic analysis. 3,412,373, 11–19–68, Cl. 340—15.5.

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Ellis, Leslie M., to National Lock Co. Lid and motor board lift support. 3,393,029, 7–16–68, Cl. 312—25.

Ellis, Myron P., R. C. Engle, A. S. Czubak, and E. A. Randlett, to Micromatic Hone Corp. Electrochemical honing apparatus including bore gauging means. 3,390,068, 6–25–68, Cl. 204—212.

Ellis, Orland W. Charge forming device for internal combustion engines. 3,373,978, 3–19–68, Cl. 261—16.

Ellis, Richard T., J. Walton, and R. B. Kershner, to United States of America, Navy. Symmetrically phase modulated transmission system with multi-lobed modulating signals. 3,394,313, 7–23–68, Cl. 325—163.

Ellis, Robert. Unattached table and means for storing same. 3,379,144, 4–23–68. Cl. 108—33.

Ellis, Robert. Surfboard and means for propelling same. 3,408,976, 11–5–68. Cl. 115—70.

Ellis, Robert G., and R. J. Singleton, to Atlas-Pacific Engineering Co. Feeding apples in single file from a bulk supply. 3,414,110, 12–3–68, Cl. 198—30.

Ellis, Robert T., and L. H. Juel, to Great Lakes Carbon Corp. Refractory graphite and method of producing the same. 3,370,967, 2–27–68, Cl. 106—56.

Ellis, Robert W., to Owens-Illinois, Inc. Glass furnace electrode. 3,388,204, 6–11–68, Cl. 13—18.

Ellis, Roger H., to Raychem Corp. Solder device. 3,396,894, 8–13–68. Cl. 228—56.

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Webb, James E. 3,397,094.

Ellis, Stafford M., to Elliott Brothers (London) Ltd. Pressure sensor. 3,413,857, 12–3–68, Cl. 73—407.

Ellis, Thomas O., and M. R. Davis, to United States of America, Army. Digital computer and graphic input system. 3,399,401, 8–27–68, Cl. 340—324.

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Ellis, Warren L., to American Can Co. Seam release container. 3,367,531, 2–6–68, Cl. 220—53.

Ellis, William R. Clamp for paper rolls and the like. 26,369, 4–9–68, Cl. 214—652.

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Ellison, Ronald, J. Pritchard, and N. Pickles, to Ellison Tufting Machinery Ltd. Tufting machines pattern control arrangement. 3,367,294, 2–6–68, Cl. 112—79.

Ellison, Ronald, and J. Pritchard, to Ellison Tufting Machinery Ltd. Pattern control device for textile tufting machines. 3,386,397, 6–4–68, Cl. 112—79.

Ellison, Ronald, and J. Pritchard, to Ellison Tufting Machinery Ltd. Machine for making tufted carpets and like fabrics. 3,415,209, 12–10–68, Cl. 112—79.

Ellison, Ronald, N. Pickles, J. Pritchard, and L. Taylor, to Ellison Tufting Machinery Ltd. Yarn tensioning apparatus for tufting machines capable of making pile with repeat patterns thereon of loops of varying lengths. 3,416,471, 12–17–68, Cl. 112—79.

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Elliston, Thomas L., to Otis Engineering Corp. Sleeved well packer assembly. 3,378,077, 4–16–68, Cl. 166—114.

Elliston, Thomas L., to Otis Engineering Corp. Well tools. 3,381,752, 5–7–68, Cl. 166—120.

Elliston, Thomas L., to Otis Engineering Corp. Retrievable well packer. 3,385,366, 5–28–68, Cl. 166—134.

Elliston, Thomas L., to Otis Engineering Corp. Well tools. 3,391,741, 7–9–68, Cl. 166—123.

Elliston, Thomas L., to Otis Engineering Corp. Retrievable well packers. 3,398,795, 8–27–68, Cl. 166—120.

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Ellwanger, Charles G., to The Gleason Works. Gear cutting machine with stock-divider. 3,368,455, 2–13–68, Cl. 90—1.

Ellzey, Floyd P. Monorail structure and system control. 3,361,084, 1–2–68, Cl. 105—150.

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Elm, Robert A., to Minnesota Mining and Mfg. Co. Junction box. 3,417.192, 12–17–68, Cl. 174—59.

Elmendorf, Armin. Method of facing building products with exposed mineral granules. 3,378,617, 4–16–68, Cl. 264—162.

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De Rooij, Abraham H., and Elmendorp. 3,364,202.

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Elmer, Otto C., and E. E. Gruber, to The General Tire & Rubber Co. Polymerization of cyclic oxide monomers in the presence of a filler dispersion. 3,380,957, 4–30–68, Cl. 260—41.

Elmer, Otto C., C. E. Greene, and A. E. Schmucker, to The General Tire & Rubber Co. Trihydropolyfluoroalkylene glycidyl ethers, methods for making said ethers, and polymers and copolymer of said ethers. 3,417,035, 12–17–68, Cl. 260—2.

Elmer, Stefan, to Schmid & Wezel. Hand tool comprising a compressed-air motor. 3,402,779, 9–24–68, Cl. 173—170.

Elmer, Thomas H., and M. E. Nordberg, to Corning Glass Works. Electric lamp and method of production. 3,399,043, 8–27–68, Cl. 65—30.

Elmer, William B., to Sylvania Electric Products, Inc. Multizone high power light reflector. 3,390,262, 6–25–68, Cl. 240—41.37.

Elmer, William B. Isoradiant energy reflecting. 3,398,272, 8–20–68, Cl. 240—41.35.

Elmes, Albert W., and M. J. M. Raymond, to Imperial Chemical Industries Ltd. Synthesis pressure vessel. 3,396,865, 8–13–68. Cl. 220—13.

Elmes, Robert T., and A. H. Lane, to Dowty Rotol Ltd. Engine installations and starting means therefor. 3,416,309, 12–17–68, Cl. 60—39.15.

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Teshi, Haruo, and Sakai. 3,395,965.

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Elmore, Glenn V., and H. A. Tanner, to Leesona Corp. Fuel cells with alkali metal hydroxide electrolyte and electrode containing fluorocarbon polymer. 3,419,900, 12–31–68, Cl. 136—86.

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Elsas, Adolf, to Siemens-Reiniger-Werke Aktiengesellschaft. Rotary anode plate for X-ray tubes. 3,397,338, 8–13–68, Cl. 313—330.

Elsas, Adolf, to Siemens Aktiengesellschaft. Anode plate for X-ray tubes. 3,414,754, 12–3–68, Cl. 313—60.

Elsas, Norman E., to Nemo Industries, Inc. Turning apparatus. 3,371,828, 3–5–68, Cl. 223—43.

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Elsbett, Ludwig, to Elsbett-Konstruktion. Internal cooling for a 4-cycle internal combustion engine cylinder. 3,412,552, 11–26–68, Cl. 60—13.

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Elslager, Edward F., and D. B. Capps, to Parke, Davis & Co. Polymeric compounds and methods for their production. 3,419,584, 12–31–68, Cl. 260—397.6.

Elsner, Albrecht, G. Klipping, and G. Hildebrandt, to Max-Planck-Gesellschaft zur Forderung der Wissenschaften e.V. Pressure regulator for bath cryostats. 3,412,568, 11–26–68, Cl. 62—50.

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Elvis, Peter, and G. P. Houcke, to Bell Telephone Laboratories, Inc. Start-stop synchronization checking circuit for long trains, short trains and single start-stop characters. 3,419,679, 12–31–68, Cl. 178—53.1.

Elward, John P., Jr., and M. Uenohara, to Bell Telephone Laboratories, Inc. Apparatus and method for determining varactor quality factor by measuring the phase shift resulting from the application of two different varactor bias levels. 3,377,558, 4–9–68, Cl. 324—158.

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Elzinga, Eugene R., and N. N. Li, to Esso Research and Engineering Co. Liquid separation through a permeable membrane in droplet form. 3,389,078, 6–18–68, Cl. 208—308.

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Emerson, Reginald S. Apparatus for testing the output of the fuel pumps of compression ignition engines. 3,367,176, 2–6–68, Cl. 73—119.

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Emmons, Floyd R., to United Aircraft Corp. Cabin pressure regulator. 3,376,803, 4–9–68, Cl. 98—1.5.
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Enders, Heinz, and G. Pusch, to Chemische Fabrik Pfersee G.m.b.H. Process of refining textile materials containing natural and/or regenerated cellulosic fibers. 3,396,050, 8–6–68, Cl. 117—139.4.
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Endress, James W., to Carrier Corp. Centrifugal gas compressor. 3,362,625, 1–9–68, Cl. 230—114.
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England, Harold H. Expandable shoe. 3,389,481, 6–25–68, Cl. 36—2.5.
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Epstein, George, R. R. Hewitt, and B. Mazelsky, to ARA, Inc. Apparatus for and method of measuring thermal stress by nuclear resonance. 3,403,325, 9–24–68, Cl. 324—.5.

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Epstein, Philip L., and F. Pribila, to Quindar Electronics Inc. Telemetering system. 3,387,296, 6–4–68, Cl. 340—186.

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Epstein, Sidney. Quotation monitoring unit. 3,387,268, 6–4–68, Cl. 340—154.

Epstein, Sidney and D. Traffic and parking violation control. 3,366,023. 1–30–68, Cl. 95—1.1.

Epstein, Sidney and D., to Vadys Associates, Ltd. Determination of geophysical properties of the sea bottom. 3,373,400, 3–12–68, Cl. 340—7.

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Erb, Ernst, to Erba Maschinenbau AG. Device for transferring stitches laterally and transversely on manual knitting machines. 3,385,083. 5–28–68, Cl. 66—90.

Erb, Ernst, to Erba Maschinenbau AG. Wide package and method of manufacturing same. 3,404,772, 10–8–68, Cl. 206—64.

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Erb, Ezra, and A. H. Malik, to Union Carbide Corp. Removal of oxygen from gas mixtures. 3,361,531, 1–2–68, Cl. 23—204.

Erb, James W. Permanent wave clip. 3,395,716, 8–6–68, Cl. 132—40.

Erb, Peter F., to Potter Instrument Co., Inc. Circuit card cage construction. 3,377,515, 4–9–68, Cl. 317—101.

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Erby, William A., R. A. Flinn, and R. A. Walde, to Air Products and Chemicals, Inc. Fluorine-organometallic compounds, process of preparing said compounds and process of treating solid material with said compounds. 3,377,197, 4–9–68, Cl. 117—121.

Erby, William A., B. Farah, R. A. Flinn, and R. A. Walde, to Air Products and Chemicals, Inc. Process of treating textiles and other materials with fluorinated organic amido acid compounds to impart repellency. 3,382,097, 5–7–68, Cl. 117—141.

Erchak, Michael, Jr., to Rexall Drug and Chemical Co. Glow discharge polymerization coating of polyolefin surfaces to render them receptive to adhesives, inks, and the like. 3,387,991, 6–11–68, Cl. 117—93.1.

Erchak, Michael, Jr., F. E. Carrock, and K. F. Koch, to Rexall Drug and Chemical Co. Process of preparing vinyl aromatic polymers modified with polyphenylene oxide. 3,384,682, 5–21–68, Cl. 260—874.

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Ercoli, Alberto, and R. Gardi, to Warner-Lambert Pharmaceutical Co. 17-ethers of estradiol. 3,417,183, 12–17–68, Cl. 424—243.

Ercoli, Alberto, and R. Gardi, to Warner-Lambert Pharmaceutical Co. Pentacyclic steroid intermediates and method of preparing the same. 3,419,550, 12–31–68, Cl. 260—239.55.

Ercoli, Alberto, and R. Gardi, to Warner-Lambert Pharmaceutical Co. Pentacyclic steroids and process. 3,419,582, 12–31–68, Cl. 260—397.3.

Ercoline, Alfred L., and K. B. Wilton. Bending brake. 3,383,899, 5–21–68, Cl. 72—319.

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Erhardt, Stefan, to Bartelt Engineering Co., Inc. Apparatus for intermittently advancing a web and cutting openings therein only during the movement of the web. 3,370,496, 2–27–68, Cl. 83—297.
Erhart, Andrew P., and J. A. Young, Jr., to Burd & Fletcher Co. Lid for egg carton. 3,372,856, 3–12–68, Cl. 229—51.
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Ericks, Herbert M. Clearance safety reflector ring. 3,387,127, 6–4–68, Cl. 240—41.
Erickson, Arnold R., to Consolidation Coal Co. Process for agglomerating carbonaceous materials. 3,368,012, 2–6–68, Cl. 264—117.
Erickson, Clifford E., to General Electric Co. Pedal-type door opener. 3,364,621, 1–23–68, Cl. 49—263.
Erickson, Clifford E., to General Electric Co. Lint trap for clothes dryers. 3,378,934, 4–23–68, Cl. 34—82.
Erickson, Clifford E., and D. E. Stelli, to General Electric Co. Clothes dryer. 3,399,464, 9–3–68, Cl. 34—133.
Erickson, Darrell F., to Rushmore Homes. Building construction and method. 3,378,964, 4–23–68, Cl. 52—79.
Erickson, Donald J., to Honeywell Inc. Pure fluid sensor. 3,363,453, 1–16–68, Cl. 73—54.
Erickson, Frederick E., to E. W. Bliss Co. On-off repeat cycle timer. 3,392,591, 7–16–68, Cl. 74—3.5.
Erickson, Frederick E., to E. W. Bliss Co. Bi-directional motor reversal control device. 3,406,303, 10–15–68, Cl. 310—40.
Erickson, George F., to United States of America, Atomic Energy Commission. Device for forming small diameter tubing. 3,386,276, 6–4–68, Cl. 72—56.
Erickson, Gerald. Apparatus for packaging containers in container carrier. 3,395,509, 8–6–68, Cl. 53—48.
Erickson, Gerald J., and T. C. Tollefson, to Sperry Rand Corp. Floating point system: single and double precision conversions. 3,389,379, 6–18–68, Cl. 340—172.5.
Erickson, Goffe J.: *See*—
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Erickson, Gordon A., R. A. Hileman, E. G. Mutschler, and G. E. Pickering, to Sperry Rand Corp. Data processing system. 3,363,234, 1–9–68, Cl. 340—172.5.
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Erickson, Howard L., to The Dole Valve Co. Snap acting valve having filter and flow control means. 3,363,763, 1–16–68, Cl. 210—137.
Erickson, Howard L., to The Dole Valve Co. Photocopier valve. 3,382,887, 5–14–68, Cl. 137—263.
Erickson, Howard L., to The Dole Valve Co. Diaphragm flow control device. 3,391,900, 7–9–68, Cl. 251—120.
Erickson, James E.: *See*—
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Erickson, John G., to Minnesota Mining and Mfg. Co. Polymeric sulfides. 3,397,189, 8–13–68, Cl. 260—79.
Erickson, John G., to Minnesota Mining and Mfg. Co. Reticulate polymeric structure. 3,415,764, 12–10–68, Cl. 260—2.5.
Erickson, John W., M. G. Konrad, and J. McCloud, to Preco Inc. Adjustable second deck for transport vehicles. 3,405,661, 10–15–68, Cl. 105—371.
Erickson, Julius L. E., F. E. Collines, Jr., and R. T. Dahill, Jr., to The Givaudan Corp. Lower alkylene ketals of cyclopentanedione. 3,402,181, 9–17–68, Cl. 260—340.7.
Erickson, Karl H., and R. L. Bildahl, to Amerock Corp. Door latch. 3,390,557, 7–2–68, Cl. 70—97.
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Ericksen, Louis A., E. R. Hogan, and B. R. Klinke, to Smith-Berger Mfg. Corp. Mounting and raising device for portable spar towers. 3,362,116, 1–9–68, Cl. 52—115.
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Erickson, Richard C., and R. C. Williams, to Albemarle Paper Co. Coated release paper. 3,403,045, 9–24–68, Cl. 117—68.
Erickson, Richard W., to International Omni Corp. Container carrier. 3,369,696, 2–20–68, Cl. 220—102.
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Winnen, Franklyn E., and Walker. 3,388,917.
Erickson, Vedick A., D. Henry, and D. E. Llenemann, to International Harvester Co. Planter with rotary agitator. 3,398,865, 8–27–68, Cl. 222—317.
Erickson, Walter A. Materials separating loader bucket. 3,395,798, 8–6–68, Cl. 209—260.
Erickson, Willard E., to Link-Belt Co. Boxcar inner door opener. 3,379,082, 4–23–68, Cl. 83—564.
Erickson, William F., to General Motors Corp. Brake band and method of manufacturing the same. 3,403,757, 10–1–68, Cl. 188—77.
Ericson, Eric A., to General Electric Co. Electric power busway system with novel connecting means for joining busway sections. 3,377,421, 4–9–68, Cl. 174—84.
Ericson, Eric A., to General Electric Co. Supporting and connecting hanger assembly for power utilization devices for plug-in type electrical busways. 3,395,378, 7–30–68, Cl. 339—34.
Ericson, Gene S., to Westinghouse Electric Corp. Coil winding and transfer apparatus for dynamoelectric machine core members. 3,415,292, 12–10–68, Cl. 140—92.1.
Ericson, Harry A. H., to Patent-Serm AG. Electro-deposition of nickel and electrolytes therefor. 3,376,207, 4–2–68, Cl. 204—49.
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Ericson, Kenneth R., S. M. Postol, and G. B. Walker, to The Procter & Gamble Co. N-alkyl glycidyl ether rheological modifiers for plastisols. 3,380,948, 4–30–68, Cl. 260—30.4.
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Ericson, Richard E., to The Kendall Co. Vented surgical drainage tube with flushing protective valve. 3,419,009, 12–31–68, Cl. 128—349.
Ericson, Richard E., and J. K. Lloyd, to The Kendall Co. Pediatric urine collector. 3,368,561, 2–13–68, Cl. 128—275.
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Eriksen, Jan B. Device for dispensing fish. 3,392,881, 7–16–68, Cl. 221—213.
Erikson, Carl F., to Sundstrand Corp. Machine tool. 3,400,987, 9–10–68, Cl. 308—3.5.
Erikson, Carl F., to Sundstrand Corp. Tool changer. 3,414,967, 12–10–68, Cl. 29—568.
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Erikson, Herman E., to Polaroid Corp. Photographic exposure and processing apparatus. 3,386,355, 6–4–68, Cl. 95—1.1.
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Eriksson, Nils B., and B.-O. Nordin, to Aktiebolaget Bofors. Cable connector for fixed and movable members. 3,888,222, 6–11–68, Cl. 191—12.

Eriksson, Sven G. Pump for sucking liquid, air and solid particles. 3,386,386, 6–4–68, Cl. 103—117.

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Erisman, Maurice J., to FMC Corp. Conveying apparatus. 3,412,845, 11–26–68, Cl. 198—220.

Erismann, Paul. Stacking arrangement for pallets. 3,400,671, 9–10–68, Cl. 108—53.

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Erner, William E., to The Upjohn Co. Vinyl alkanoate-alkyl maleamate copolymers as surfactants for polyurethanes. 3,376,236, 4–2–68, Cl. 260—2.5.

Erner, William E., and A. Odinak, to The Upjohn Co. Compositions of methylene(phenyl isocyanate) with trihydrocarbyl phosphates and preparation thereof. 3,384,653, 5–21–68, Cl. 260—453.

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Ernest, Richard B., Penn Engineering and Mfg. Corp. Feed hopper having adjustable article orienting means. 3,414,111, 12–3–68, Cl. 198—33.

Ernest, Robert P., W. J. McLean, and N. D. Postma, to Ford Motor Co. Engine block and lubricant cooling system. 3,400,694, 9–10–68, Cl. 123—41.33.

Ernest, Walter, to American Schack Co., Inc. Heat exchangers. 3,363,679, 1–16–68, Cl. 165—141.

Ernesto, Augusto M. Fixture for grinding tools. 3,376,674, 4–9–68, Cl. 51—217.

Ernestus, Adolph W., to N.T.W. Missile Engineering, Inc. Method and apparatus for extrusive rolling of annular members. 3,388,576, 6–18–68, Cl. 72—81.

Ernestus, Adolph W., to N.T.W. Missile Engineering Inc. Method and apparatus for roll-extrusion of small tubes. 3,411,334, 11–19–68, Cl. 72—78.

Ernisse, Paul J., to Eastman Kodak Co. Flash photography. 3,363,526, 1–16–68, Cl. 95—11.5.

Ernisse, Paul J., to Eastman Kodak Co. One-piece moldable camera for detachably holding a multilamp photoflash package. 3,407,717, 10–29–68, Cl. 95—11.

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Winkler, Alfred, Ernst, and Stierstorfer. 3,387,546.
Winkler, Alfred, Wagner, and Ernst. 3,363,528.

Ernst, Leonard J. to General Magnetics, Inc. Analog computer circuits for multiplying, dividing and root-taking with magnetic amplifier in a feedback loop. 3,383,500, 5–14–68, Cl. 235—193.5.

Ernst, Marc H. M. J., to Society Les Petits-Fils de Leonard Danel. Copying paper and method of making. 3,384,504, 5–21–68, Cl. 117—36.3.

Ernst, Max. Coupling for vehicles of toy and model railroads. 3,408,769. 11–5–68, Cl. 46—218.

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Ernst, Robert, and M. Comar, to Textilana Corp. Sulfuric acid esters of linear secondary alcohol ethoxylates and salts thereof and method of producing same. 3,376,333, 4–2–68, Cl. 260—458.

Ernyei, Herbert, to Societe Lignes Telegraphiques et Telephoniques. In-line blending. 3,410,293, 11–12–68, Cl. 137—112.

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Erwien, Helmut, R. Altfelder, and E. Bürger, to Gewerkschaft Eisenhutte Westfalia. Coal-winning apparatus. 3,379,476, 4–23–68, Cl. 299—34.

Erwin, Clyde L. Device for cleaning guns. 3,398,417, 8–27–68, Cl. 15—104.19.

Erwin, Edson L., to International Telephone & Telegraph Corp. Magnetic latching switch having residual magnetism for crosspoint hold means. 3,400,225, 9–3–68, Cl. 179—22.

Erwin, Edson L., A. E. Gerbore, G. C. Hobbs, and H. J. Walsh, to Bell Telephone Laboratories, Inc. No-test or busy verification in a private branch exchange telephone system. 3,410,960, 11–12–68, Cl. 179—18.

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Esch, Robert E., to The Sheffield Corp. Differential capacitor transducer apparatus having coarse and fine adjustments and means for changing scale span. 3,372,333, 3–5–68, Cl. 324—98.

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Eschenbach, Richard C., and E. F. Stresino, to Union Carbide Corp. Method of making refractory shapes. 3,399,253, 8–27–68, Cl. 264—30.

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Escue, William T., to United States of America, Army. Self-balancing servomotor operated automatic calibrator. 3,382,-433, 5–7–68, Cl. 324—63.

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Eshbaugh, Robert W., to United States of America, Navy. Third motion system for filament winding machine. 3,367,-586, 2–6–68, Cl. 242—2.

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Eskelsen, K. R.: *See*—
Casull, Richard J. 3,366,010.

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Esposito, Frank P. Assembly tool for hose fittings. 3,378,909, 4–23–68, Cl. 29—235.

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Evans, Alvin W., R. Belchel, and K. Morghen. Ignition amplifying apparatus. 3,406,667, 10-22-68, Cl. 123—32.

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Evans, David J. Electrodes and electrode stacks for electrolytic cells. 3,402,117, 9-17-68, Cl. 204—268.

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Evans, Edward M., to Mobil Oil Corp. Subsea deep drilling apparatus and method. 3,369,599, 2-20-68, Cl. 166—.5.

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Evans, Eugene, Jr. Compacter for refuse collection. 3,366,255, 1-30-68, Cl. 214—83.3.

Evans, Evan W., and M. D. Smith, to Imperial Metal Industries (Kynoch), Ltd. Titanium alloys. 3,399,059, 8-27-68, Cl. 75—175.5

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Evans, Fraser M., to C.A.V. Ltd. Liquid fuel pumping apparatus. 3,363,568, 1-16-68, Cl. 103—2.

Evans, Fraser M., to C.A.V. Ltd. Liquid fuel injection nozzle units. 3,363,844, 1-16-68, Cl. 239—533.

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Evans, Hugh M., to International Standard Electric Corp. Digital voltmeter employing discharge of a large capacitor in steps by a small capacitor. 3,414,807, 12-3-68, Cl. 324—111.

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Evans, James, and J. H. Florkowski, to International Business Machines Corp. Content addressable memory system using address transformation circuits. 3,387,272, 6-4-68, Cl. 340—172.5.

Evans, James D. Vehicle trim strip with bumper insert. 3,388,-523, 6-18-68, Cl. 52—717.

Evans, James R., and R. A. Jones, to International Business Machines Corp. Record search system. 3,408,631, 10-29-68, Cl. 340—172.5.

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Evans, John F. O., and D. A. Rush, to S. Smith & Sons (England) Ltd. Electrical apparatus for providing a representation of engine-life. 3,362,217, 1-9-68, Cl. 73—116.

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Evans, John L., and H. E. Riordan, to General Precision Systems, Inc. Gyrocompass. 3,417,474, 12-24-68, Cl. 33—72.

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Evans, Kenneth, to International Harvester Co. Knotters for balers and like instruments. 3,402,955, 9–24–68, Cl. 289—13.
Evans, Leonard N., J. W. Grill, and G. R. Vines, to United States Steel Corp. Strip length gauge and control. 3,411,216, 11–19–68, Cl. 33—129.
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Evans, Ralph A., and K. E. Gell; said Evans, assor. to L. S. Clark. Test scoring and correcting machine. 3,412,484, 11–26–68, Cl. 35—48.
Evans, Ralph S. Spreading apparatus for flat work ironers. 3,399,472, 9–3–68, Cl. 88—143.
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Evans, Robert N. Body traction device. 3,413,971, 12–3–68, Cl. 128—75.
Evans, Robert T., to Halliburton Co. Overshot for retrievable bridge plug. 3,386,764, 6–4–68, Cl. 294—86.1.
Evans, Robley D. Process and detector for indicating the tracks of alpha particles using stacked layers of material. 3,418,472, 12–24–68, Cl. 250—83.
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Evans, Wilbur F., and T. F. Wood, to Givaudan Corp. Method of controlling weeds. 3,399,049, 8–27–68, Cl. 71—123.
Evans, William, to Smith Kline & French Laboratories. Production of pharmaceutical dosage units. 3,390,647, 7–2–68, Cl. 107—54.
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Everson, George R., and W. J. W. Booker, to G. R. Everson and Sons Ltd. Forced air oven. 3,411,493, 11–19–68, Cl. 126—21.
Everson, Howard E., K. D. Kiss, and J. T. Reed, to Diamond Shamrock Corp. Copolymerization of trioxane and norbornadiene or a monoalkyl-substituted derivative thereof in the solid state. 3,418,284, 12–24–68, Cl. 260—73.
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Every, Richard L., to Continental Oil Co. Method of forming an oxide coating on metals. 3,373,093, 3–12–68, Cl. 204—39.
Every, Richard L., and R. L. Grimsley, to Continental Oil Co. Method for preparation of wettable sulfur. 3,398,227, 8–20–68, Cl. 424—162.
Every, Richard L., and D. A. Shock, to Continental Oil Co. Solution mining of KCl-NaCl with solvent at ambient temperature. 3,407,004, 10–22–68, Cl. 299—5.
Every, Richard L., R. L. Grimsley, and J. H. Stanton, to Continental Oil Co. Conversion of potassium chloride to potassium sulfate. 3,413,086, 11–26–68, Cl. 23—121.
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Eveson, Geoffrey F., to Head, Wrightson & Co. Ltd. Dry-cleaning of large or small coal or other particulate materials containing components of different specific gravities. 3,367,501, 2–6–68, Cl. 209—467.
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Ewer, Ronald W., to Optics Australia Pty., Ltd. Optical casting gasket. 3,404,861, 10–8–68, Cl. 249—187.
Ewers, Johannes W., to Shell Oil Co. Bituminous resinous compositions for construction purposes. 3,417,678, 12–24–68, Cl. 94—23.
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Ewing, James H., to The Foxboro Co. Continuous flow turbidimeter. 3,364,812, 1–23–68, Cl. 88—14.
Ewing, John W. Extensible traction means for vehicle wheels. 3,367,382, 2–6–68, Cl. 152—216.
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Exworthy, Kenneth W., to Honeywell Inc. RMS measuring circuit. 3,384,805, 5–21–68, Cl. 321—9.
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Eyler, George, W. G. Easley, and J. D. Black, to Cabot Corp. Pumping apparatus. 3,406,581, 10–22–68, Cl. 74—41.
Eyles, Thomas E., and J. J. Torok, to Owens-Illinois Inc. Method and apparatus for cooling glass plungers and molds. 3,364,003, 1–16–68, Cl. 65—83.
Eynon, John E., to Abitibi Power & Paper Co. Ltd. Vertical logging machine. 3,385,333, 5–28–68, Cl. 144—309.
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Eyzat, Pierre, to Institut Francais du Petroles des Carburants et Lubrifiants. Double injection pump for internal combustion engines. 3,370,539, 2–27–68, Cl. 103—2.

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Anderson, Gerald R. 3,389,792.
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Blake, John H., Pelmulder, and Thuse. 3,382,585.
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Farrell, John J. Web winding machine with cut-off. 3,409,241, 11–5–68, Cl. 242—56.
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Farrell, Rhomie H., to Burlington Industries, Inc. Permanently pleated draperies. 3,399,714, 9–3–68. Cl. 160—348.
Farrell, Richard R., to Universal Lubrication Systems, Inc. Lubricated rotatable device. 3,375,901, 4–2–68, Cl. 184—1.
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Saccardo, Pietro, Trada, Fattore, and Herzenberg. 3,412,-041.
Vecchio, Martino, Fattore, and Cammarata. 3,372,126.
Fattori, Lazzaro A. Helmet having rapid headsize adjustability. 3,389,405, 6–25–68, Cl. 2—3.
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Faul, Thomas L., to Albert Nestler, A.G. Carriage-type drawing apparatus. 3,400,461, 9–10–68, Cl. 33—79.
Faul, Walter J., and R. L. Evatt. Contact clip for circuit testing. 3,368,187, 2–6–68, Cl. 339—261.
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Faulkner, Willard J., to K. W. Jensen. Speed changer for a phonograph record player. 3,398,962, 8–27–68, Cl. 274—9.
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Fauser, Donald L., to Harris-Intertype Corp. Electrophotographic apparatus and method. 3,409,358, 11–5–68, Cl. 355—10.
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Fauser, Giacomo, to Montecatini Edison S.p.A. Urea manufacture. 3,406,200, 10–15–68, Cl. 260—555.
Faust, Donald M., and H. F. Chochrek, to Cascade Corp. Load clamp with arm travel retarding means. 3,407,951, 10–29–68, Cl. 214—653.
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Fay, Clarence C. Master piston actuator. 3,406,522, 10–22–68, Cl. 60—54.6.

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Fearnow, Philip W., to E. I. Du Pont de Nemours and Co. Thickened aqueous inorganic oxidizer salt explosive composition containing dissolved proteinaceous material. 3,400,026. 9–3–68, Cl. 149—41.

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Dannohl, Walter, and Nixdorf. 3,362,803.
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Federighi, George J. Portable and self-contained apparatus for chilling and frosting beverage glasses. 3,378,580, 3–19–68, Cl. 62—293.
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Federline, Calvin W.; ½ interest to L. L. Zabriskie. Shaft coupling. 3,411,324, 11–19–68, Cl. 64—19.
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Feese, Wolfgang, to Siemens Aktiengesellschaft. Roping method and apparatus. 3,407,588, 10–29–68, Cl. 57—59.
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Fehrer, Ernst, and W. Kern, to Spezialmaschinenfabrik Dr. Ernst Fehrer. Apparatus for needling fiber webs. 3,368,256, 2–13–68, Cl. 28—4.
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Feick, George, III, and P. E. Doherty, to Simplex Wire and Cable Co. Method of bonding alkali metals to conventional conductors. 3,370,344, 2–27–68, Cl. 29—502.
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Perry, Donald D., Fein, and Schoenfelder. 3,378,416.
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Fein, Marvin M., and M. S. Cohen, to Thiokol Chemical Corp. Mono- and di-c-halogenated meta- and paracarborane. 3,376,347, 4–2–68, Cl. 260—606.5.
Fein, Marvin M., and N. Mayes, to Thiokol Chemical Corp. Biscyclopentadienyl-metal carborane polyesters. 3,414,596, 12–3–68, Cl. 260—429.
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Fekete, Sándor, A. Horváth, J. Sever, and J. Szalo, to Metalimpex Acel- es Femkulkereskedelmi Vallalat. Process for producing concentrates of high manganese content. 3,403,995, 10–1–68, Cl. 75—115.
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Feld, Ignatz L., T. W. Franklin, and W. M. Lampkin, to United States of America, Interior. Process for removing phosphorus from iron ores. 3,402,041, 9–17–68, Cl. 75—7.
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Klingler, Emil A., Felder, Schubert, and Jud. 3,393,124.
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Feldman, Jacob R., M. Hamell, and W. W. Ward, to General Foods Corp. Dihydrochalcone derivatives and method for their production. 3,364,196, 1–16–68, Cl. 260—210.
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Feldman, Julian, and J. K. Seyler, to National Distillers and Chemical Corp., Process for separating monoamines from diamines by liquid-liquid extraction. 3,417,141, 12–17–68, Cl. 260—563.
Feldman, Marshall H. and H. W. Adjustable wrench. 3,370,490, 2–27–68, Cl. 81—125.
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Feldman, Nathan W., to United States of America, Army. Solid-state filter circuit. 3,418,561, 12–24–68, Cl. 323—22.
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Felicetta, Vincent F., and A. E. Markham, to Georgia-Pacific Corp. Cement composition and products thereof. 3,398,006, 8–20–68, Cl. 106—90.
Felici, Noel J., to Centre National de la Recherche Scientifique. Rotary electrostatic electrical apparatus. 3,400,282, 9–3–68, Cl. 310—6.
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Felix, Ernst, to Zellweger Ltd. Apparatus and method for reducing the number of unnecessary cuts of yarn. 3,390,441, 7–2–68, Cl. 28—64.
Felix, Ernst, and E. Meili, to Zellweger, Ltd. Apparatus for increasing the virtual sensing field length of sensing elements in electronic control instruments, mainly in the textile industry. 3,408,560, 10–29–68, Cl. 328—100.
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Felix, Michael O., to Ampex Corp. Recorder having offset heads to record sync pulses in line for crosstalk reduction. 3,376,383, 4–2–68, Cl. 178—6.6.

Felix, Michael O., to International Telephone and Telegraph Corp. High frequency discriminator. 3,383,608, 5–14–68, Cl. 329—141.

Felix, Pierre, to Societe Rhodiaceta. Manufacture of textile products in the form of threads, cords, ropes and other similar articles from films of oriented synthetic linear polymeric material. 3,371,477, 3–5–68, Cl. 57—157.

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Felsher, Herman. Push vehicles for infants and children. 3,41,799, 11–19–68, Cl. 280—36.

Felske, Arthur M., to General Electric Co. Food steamer with multi-level food supporting means. 3,364,844, 1–23–68, Cl. 99—331.

Felson, Ronald. Magnetic lock devices. 3,408,837, 11–5–68, Cl. 70—276.

Felson, Ronald, to Liquidonics Industries, Inc. Magnetic lock devices. 3,416,336, 12–17–68, Cl. 70—276.

Felstehausen, Eugene F., to FMC Corp. Food molding machine. 3,377,650, 4–16–68, Cl. 17—32.

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Feltham, Robert D., to The International Nickel Co., Inc. Bis-triphenyl phosphine nickel trichloroethylene. 3,395,165, 7–30–68, Cl. 260—439.

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Feltrin, John G., to Dominion Bridge Co. Ltd. Space desks. 3,367,081, 2–6–68, Cl. 52—648.

Felts, Wallace M., to Fruehauf Trailer Co. Transfer station for handling refuse. 3,417,883, 12–24–68, Cl. 214—41.

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Fend, Fritz, to Fichtel & Sachs A.G. Rope-pull starter for internal combustion engines. 3,361,124, 1–2–68, Cl. 123—185.

Fend, Heinrich, to Oerlikon-Buhrle Holding AG. Method and apparatus for the production of a fabric free of warp-wise running irregularities at a wave weaving loom. 3,362,436, 1–9–68, Cl. 139—12.

Fend, Heinrich, to Oerlikon-Buhrle Holding A.G. Beat-up mechanism for travelling-wave shedding looms. 3,379,223, 4–23–68, Cl. 139—12.

Fend, Heinrich, to Oerlikon-Buhrle Holding AG. Warp-tension equalization mechanism for travelling-wave shedding looms. 3,414,020, 12–3–68, Cl. 139—12.

Fend, Heinrich and Herbert, to Oerlikon-Buhrle Holding A.G. Method for filling loom shuttles with cut-to-length pieces of weft thread and apparatus for the performance of the aforesaid method. 3,379,224, 4–23–68, Cl. 139—224.

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Liautaud, John N., and Mundt. 3,402,005.

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Fener, Alfred. Means for sealing the slit of a lengthwise-slit cardboard tube. 3,369,953, 2–20–68, Cl. 156—583.

Fener, Alfred. Heat sealing machine and sealing member therefor. 3,369,954, 2–20–68, Cl. 156—583.

Fener, Alfred. Means for splicing thermoplastic webbing. 3,384,527, 5–21–68, Cl. 156—502.

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Fengler, Werner H. Ultra-sensitive photoelectric contour probing device 3,404,281, 10–1–68, Cl. 250—202.

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Fenn, William W., and L. H. Kosowsky, to United Aircraft Corp. Range measuring phase interferometer radar system. 3,368,218, 2–6–68, Cl. 343—6.

Fenner, George D. Alignment device for trailer. 3,418,628, 12–24–68, Cl. 340—52.

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Fenoglio, Charles E., and M. A. Koltuniak, to Udylite Corp., The. Magnetic amplifier voltage regulator with preload system. 3,374,427, 3–19–68, Cl. 323—89.

Fenoglio, Charles E., and M. A. Koltuniak, to The Udylite Corp. Automatic control programming for an electrolytic process. 3,383,303, 5–14–68, Cl. 204—228.

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Fenton, Donald M., to Union Oil Co. of California. Rhenium catalysis of the oligomerization and rearrangement of olefins. 3,393,251, 7–16–68, Cl. 260—683.15.

Fenton, Donald M., to Union Oil Co. of California. Preparation of 1-oxo-1,2,3,4-tetrahydronaphthalene. 3,395,183, 7–30–68, Cl. 260—590.

Fenton, Donald M., to Union Oil Co. of California. Preparation of esters of unsaturated acids. 3,397,225, 8–13–68, Cl. 260—486.

Fenton, Donald M., to Union Oil Co. of California. Preparation of esters from olefins. 3,397,226, 8–13–68, Cl. 260—486.

Fenton, Donald M., and P. J. Steinwand, to Union Oil Co. of California. Preparation of oxalates. 3,393,136, 7–16–68, Cl. 204—59.

Fenton, Frank W., to Beacon Machinery, Inc. Safety valve. 3,403,697, 10–1–68, Cl. 137—517.

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Fergason, James L., and A. E. Anderson, to Westinghouse Electric Corp. Display system utilizing a liquid crystalline material of the cholesteric phase. 3,410,999, 11–12–68, Cl. 250—43.5.
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Fergason, Rector C., to Allis-Chalmers Mfg Co. Screen cleaning device. 3,404,514, 10–8–68, Cl. 55—295.
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Fernholz, Hans, H. Oehme, and H.-J. Schmidt, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing calcium sorbate. 3,365,488, 1–23–68, Cl. 260—526.
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Fernholz, Hans, and L. Schlafer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing 2,5-dienoic acids and the esters thereof. 3,412,114, 11–19–68, Cl. 260—404.
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Ferrel, Robert E., to United States of America, Agriculture. Coated rice and method of preparing same. 3,384,493, 5–21–68, Cl. 99—83.
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Ferri, Giampiero, and J. Marinai. Toy gun and magazine therefor for holding cup-like caps. 3,362,097, 1–9–68, Cl. 42—54.
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Ferri, Giampiero, and J. Marinai. Toy-gun designed to cause a caps-strip subsequent explosion, besides shearing and expulsion of said strip portions upon a cap explosion. 3,370,373, 2–27–68, Cl. 42—54.
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Ferrigno, William L., Jr., to General Electric Co. Control signal transmitter including complementary trigger and oscillator transistors. 3,384,764, 5–21–68, Cl. 307—262.
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Ferris, Jack. Container with applicator and support therefor. 3,369,854, 2–20–68, Cl. 401—119.
Ferris, Jack. Vinyl mold making apparatus. 3,396,934, 8–13–68, Cl. 249—163.
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Ferris, Robert G., to Starline, Inc. Flail type material spreader. 3,415,455, 12–10–68, Cl. 239—658.
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Ferroll, Tredicesimo L. Burner for town gas, liquefied gas, natural gas and mixtures thereof, and adapted to be fitted on boilers, stoves, air heaters and the like. 3,412,940, 11–26–68, Cl. 239—553.

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Fetterly, Lloyd C., to Shell Oil Co. Isoprene production from isopentane via hydroperoxide. 3,391,214. 7–2–68, Cl. 260—681.

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Fetzer, Uwe, I. Ugi, H. Knupfer, J. A. Renner, and F. Grewe, to Farbenfabriken Bayer Aktiengesellschaft. Bicyclic and tricyclic isonitriles. 3,419,546, 12–31–68, Cl. 260—239.

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Fields, Reuben T., to E. I. du Pont de Nemours and Co. Apparatus and process for drying particulate polymer. 3,411,-215, 11–19–68, Cl. 34—12.
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Figa, Rubin. Tootbrush and toothpaste integral unit. 3,408,150, 10-29-68, Cl. 401—153.
Figar, Stěpán, to Ceskoslovenska akademie ved. Annular electrode assembly for a plethysmograph. 3,361,129, 1-2-68, Cl. 128—2.05.
Figar, Stepan, to Ceskoslovenska akademie ved. Adjustable electrode assembly for a plethylsmograph. 3,381,682, 5-7-68, Cl. 128—2.05.
Figar, Stepan, to Ceskoslovenska akademie ved. Electrode for electromedial measurement. 3,387,608, 6-11-68, Cl. 128—2.06.
Figar, Stepan, to Ceskoslovenska akademie ved. Sensing device for plethysmographic apparatus. 3,398,740, 8-27-68, Cl. 128—2.
Figaro, Vincent S., to Bridgeport Fabrics, Inc. Method of covering an automobile door trim bead. 3,416,981, 12-17-68, Cl. 156—94.
Figg, Chester F., to General Motors Corp. Method and apparatus for testing storage batteries utilizing open circuit voltages after discharge and charge. 3,392,328, 7-9-68, Cl. 324—29.5.
Figgins, William D., to Sanders Associates, Inc. Electron beam vacuum melting furnace. 3,412,196, 11-19-68, Cl. 13—31.
Figiel, Francis J., to Allied Chemical Corp. Process of separating non-diamond carbonaceous material from synthetic diamantiferous products. 3,386,805, 6-4-68, Cl. 23—209.9.
Figielski, Peter, to Sperry Rand Corp. Signal responsive apparatus. 3,404,286, 10-1-68, Cl. 307—218.
Figueiredo, Osmond: *See*—
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Filipov, Alexander M., to United States of America, Navy. Electrical circuit for a simulated radioactive radiation detector. 3,363,329, 1-16-68, Cl. 35—1.
Filipowsky, Richard F. J., to International Business Machines Corp. Digital communications system. 3,377,625, 4-9-68, Cl. 340—172.5.
Filippi, Ernest A., and D. H. Herbert; said Filippi assor. to Special Devices, Inc. Inertia operated strap lock. 3,372,777, 3-12-68, Cl. 188—136.
Filippi, Ernest A., and D. H. Herbert; said Filippi assor. to Special Devices, Inc. Harness reel arrangement. 3,389,873, 6-25-68, Cl. 242—107.2.
Filippi, Luigi, and H. Dinner, to Swiss Aluminum Ltd. Methods of and means for producing anhydrous alumina. 3,408,745, 11-5-68, Cl. 34—10.
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Fillies, Friedrich: *See*—
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Filliette, Raymond L., and R. H. Lauga, to La Telemecanique Electrique. Programme control apparatus for analogue values. 3,386,068, 5-28-68, Cl. 338—128.
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Filmtech Associates, Inc.: *See*—
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Filreis, Manuel, and V. R. Franer, to Minnesota Mining and Mfg. Co. Non-woven conductive paper mat. 3,367,851, 2-6-68, Cl. 204—2.
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Finan, James E. System for intermittently dispensing oxygen or other gas suitable for breathing. 3,400,712, 9-10-68, Cl. 128—203.
Finan, James E. Apparatus for intermittently dispensing oxygen or other gas suitable for breathing. 3,400,713, 9-10-68, Cl. 128—203.
Finan, Meryle J. Hanger for pre-tied necktles. 3,385,486, 5-28-68, Cl. 223—87.
Fincannon, Lee L. Fishing reel. 3,379,391, 423-68, Cl. 242—84.2.
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Finch, Maurice L., to International Standard Electric Corp. Anti-backlash gear. 3,385,126, 5-28-68, Cl. 74—440.
Finch, Neil L., Sr., to E. I. du Pont de Nemours and Co. Acrylic wax abrasion resistant fiber finish composition. 3,386,938, 6-4-68, Cl. 260—28.5.
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Fincher, Dorsey R., and J. L. Williams, to Getty Oil Co. Treatment of oil wells. 3,388,744, 6-18-68, Cl. 166—40.
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Findlay, Hugh T., and W. H. Horne, to International Business Machines Corp. Spongeous supported transfer medium and polycarbonate embodiment. 3,413,183, 11-26-68, Cl. 161—160.
Findlay, Hugh T., and K. H. Froman, to International Business Machines Corp. Transfer medium and method for making same. 3,413,184, 11-26-68, Cl. 161—160.
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Findley, Joseph D., Jr.: *See*—
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Jordan, Richard H., and Findley. 3,380,753.
Findley, Thomas W.: *See*—
Powell, Berry O., and Findley. 3,370,969.
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Green, James R., and Fine. 3,406,816.
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Fine, Laughton T., and J. L. Dennis, to Avco Corp. Transistorized suppressed carrier balanced modulator. 3,389,327, 6-18-68, Cl. 332—44.
Fine, Laughton T., J. L. Dennis, and G. B. Bay, to Avco Corp. Peak amplitude to R.M.S. limiter. 3,397,324, 8-13-68, Cl. 307—237.
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Fineberg, Bernie, and G. Goldstein. Rack for stacked articles. 3,394,818, 7–30–68, Cl. 211—104.
Fineberg, Morris. Decorative headgear. 3,381,308, 5–7–68, Cl. 2—182.6.
Fineblum, Solomon S., to Ranco Inc. Restrictor means for heat pump system. 3,404,542, 10–8–68, Cl. 62—324.
Finefrock, Donald W., to The Johnson Rubber Co. Baseboard molding strip and method of installing same. 3,408,250, 10–29–68, Cl. 161—102.
Finelli, Anthony F., to The Goodyear Tire & Rubber Co. Polyesterurethane composition and method of preparation. 3,401,137, 9–10–68, Cl. 260—30.6.
Finelli, Anthony F., and J. C. West, to The Goodyear Tire & Rubber Co. Method of making pigmented polyesterurethanes and said product. 3,401,143, 9–10–68, Cl. 260—40.
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Fineman, Harold, T. G. Lawson, and R. M. Bowmer, to Girling Ltd. Differential pressure operated boosters. 3,385,168, 5–28–68, Cl. 91—369.
Finestone, Arnold B., and G. Goldberg, to Foster Grant Co., Inc. Polymerization of ABS resins in the presence of low molecular weight, thermally-initiated polystyrene. 3,373,-227, 3–12–68, Cl. 260—880.
Finestone, Arnold B., and R. C. Westphal, to Foster Grant Co., Inc. Transparent impact polystyrene compositions containing a diolefin rubber. 3,400,175, 9–3–68, Cl. 260—880.
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Finger, Thomas H., and R. A. Heaton, to Owens-Illinois, Inc. Inspecting open mouth translucent containers for defects. 3,406,822, 10–22–68, Cl. 209—125.
Fingerett, Joseph A., to International Telephone and Telegraph Corp. Combined magnetic regulator and transformer. 3,408,554, 10–29–68, Cl. 321—18.
Fingerut, Boris M., and F. E. Kirby, to Portland Wire & Iron Works. Chaff and straw collecting and separating means for harvester combine. 3,370,722, 2–27–68, Cl. 214—42.
Fingerut, Boris M., and A. E. May, Jr. Merchandising carrier. 3,415,532, 12–10–68, Cl. 280—34.
Finholt, Robert W., to General Electric Co. Polymer blend of a polyphenylene oxide and a polyamide. 3,379,792, 4–23–68, Cl. 260—857.
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Fink, Lester H., F. Kahn, and C. S. Schifreen, deceased (R. F. Schifreen executrix and assignee), Force-cooled cable system. 3,409,731, 11–5–68, Cl. 174—15.
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Fink, Walter, to Monsanto Co. Process for preparing α,β-unsaturated compounds. 3,361,786, 1–2–68, Cl. 260—465.7.
Fink, Walter, to Monsanto Co. Silicon- and nitrogen-containing four-membered ring compounds and process for preparing. 3,414,584, 12–3–68, Cl. 260—326.
Fink, Walter, and H. Lehmann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Mixture of vinyl ester-vinyl phosphonic acid ester copolymers and natural and/or synthetic resins and its use as an adhesive. 3,407,159, 10–22–68, Cl. 260—27.
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Fink, William C., D. W. Hartman, and J. W. Schaffer, to Sylvania Electric Products, Inc. Photographic flashlamp unit. 3,392,273, 7–9–68, Cl. 240—1.3.
Finke, Arno, to Windmoller & Holscher. Carrying bag comprising adhered, U-shaped folded carrying handles of paper. 3,409,209, 11–5–68, Cl. 229—54.
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Finkelston, Raymond, Jr.: *See*—
Hartman, Maurice D., Jr., and Finkelston. 3,397,671.
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Finkl, Charles W., to A. Finkl & Sons Co. Treatment of molten metal. 3,389,989, 6–25–68, Cl. 75—49.
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Finlay, Joseph B., to E. I. du Pont de Nemours and Co. Polyurethanes stabilized with a mixture of phenols. 3,385,820, 5–28–68, Cl. 260—45.95.
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Finley, Charles E.: *See*—
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Finley, Charles M., to Consolidated Electrodynamics Corp. Analytical system. 3,405,549, 10–15–68, Cl. 73—23.1.
Finley, James, to Hanlo Gage and Engineering Co. Gaging apparatus. 3,376,649, 4–9–68, Cl. 33—147.
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Finne, Ronald M., to Bell Telephone Laboratories, Inc. Electroplating onto molybdenum surfaces. 3,386,896, 6–4–68, Cl. 204—37.
Finnegan, Francis, to Texas Instruments Inc. Apparatus for controlling the level of a liquid. 3,407,840, 10–29–68, Cl. 137—392.
Finnegan, Thomas J., to J. A. Fiondella. Safety device insertable in the chamber of a firearm. 3,360,880, 1–2–68, Cl. 42—66.
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Finon, Pierre M. P., to Societe pour la Fabrication d'Isolants et Revetements Ligneux "Isorel." Assembly for installing prefabricated wall panels. 3,412,515, 11-26-68, Cl. 52—480.
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Finzi, Sergio, J. F. Faure, and J. P. Lebrun, to European Atomic Energy Community (Euratom). Thermal insulation for a internally heated hot tube immersed in a cold liquid. 3,396,079, 8-6-68, Cl. 176—43.
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Fiore, John M., and W. F. Ferro, to Smith Kline & French Laboratories. Sigmoidoscope and illuminating means therefor. 3,373,736, 3-19-68, Cl. 128—6.
Fiore, Joseph P., to The Rauland Corp. Method of coating cathode-ray tubes. 3,376,153, 4-2-68, Cl. 117—33.5.
Fiore, Joseph P., and S. H. Kaplan, to The Rauland Corp. Method of establiahing a light absorbing design on a screen structure of an image reproducer. 3,365,292, 1-23-68, Cl. 96—36.1.
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Fiorini, Fiorino, to Radiation Inc. Split-phase code modulation synchronizer and translator. 3,361,978, 1-2-68, Cl. 328—30.
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Fiquet, Claude J. J., and R. Leplat, to Societe d'Applications Techniques et Industrielles S.A.T.I. Perforator cap. 3,406,872, 10-22-68, Cl. 222—83.
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Fisher, Michael H., and C. S. Rooney, to Merck & Co., Inc. Naphthoquinone compounds. 3,393,211, 7–16–68, Cl. 260—396.

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Doe, Walter P. 3,390,483.
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Fisher, Robert E., J. M. Ryan, and M. Modell, to Abcor, Inc. Apparatus for and method of collecting gas chromatographic fractions. 3,374,607, 3–26–68, Cl. 55—67.
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Fisher, William T., to Bristol Aerojet Ltd. Rocket launching. 3,379,097, 4–23–68, Cl. 89—1.816.
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Shiber, Shmuel, and Fishler. 3,389,614.
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Mitchell, William H., Fishman, and Sage. 3,415,277.
Fishman, Denis, and L. T. A. Beckett, to International Standard Electric Corp. Strain relieving transition member for contacting semiconductor devices. 3,387,191, 6–4–68, Cl. 317—234.
Fishman, Herbert, and J. N. Frank, to General Electric Co. Semiconductor devices. 3,368,122, 2–6–68, Cl. 317—234.
Fishman, Sam. Prophylactic device. 3,363,624, 1–16–68, Cl. 128—132.
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Butkevich, Vladimir A., Evteev, Kaushansky, Karpeka, Korotkev, Pravdin, Rutes, Fulmakht, and Fisjun. 3,375,864.
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Fitch, John C. Vehicle suspensions. 3,366,400, 1–30–68, Cl. 280—124.
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Fleischer, Robert L., P. B. Price and R. M. Walker, to General Electric Co. Radiation detection sheet material having metal coating to facilitate read-out. 3,415,993, 12–10–68, Cl. 250—83.
Fleischer, Svend S. C., C. C. Thomsen, G. G. W. Hofmann, and W. Rossberg Pile thread selecting, cutting, and positioning device for a carpet loom. 3,379,222, 4–23–68, Cl. 139—6.
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Fleisher, Bernard L., S. Katz, H. P. Stern, and R. V. Weiss, to Bercy. Travel case with detachable illuminated cosmetic mirror. 3,381,120, 4–30–68, Cl. 240—4.2.
Fleisher, Harold, to International Business Machines Corp. Selective gating of radiation. 3,402,001, 9–17–68, Cl. 350—150.
Fleisher, Harold, and K. M. Kosanke, to International Business Machines Corp. Element for optical logic. 3,407,017, 10–22–68, Cl. 350—150.
Fleisher, Marvin B., and P. E. Hixon, to Itek Corp. Film processing apparatus. 3,375,593, 4–2–68, Cl. 34—155.
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Fleissner, Gerold, to Anstalt fur Patentdienst. Sieve drum installation. 3,398,464, 8–27–68, Cl. 34—122.
Fleissner, Gerold, to Anstalt fur Patentdienst. Apparatus for the wet-treatment of materials. 3,410,119. 11–12–68, Cl. 68—62.
Fleissner, Gerold, to Anstalt fur Patentdienst. Device with adjustable bodies of rotation as conveying and guiding elements. 3,410,149, 11–12–68, Cl. 74—411.
Fleissner, Gerold, to VEPA AG. Heat treatment chamber with removable hose lining. 3,411,328, 11–19–68, Cl. 68—5.
Fleissner, Hans, to Firma Establishment for Automation. Sieve drum dryers. 3,360,872, 1–2–68, Cl. 34—115.
Fleissner, Heinz, to Anstalt fur Patentdienst. Drier and process of drying. 3,362,079, 1–9–68, Cl. 34—23.
Fleissner, Heinz, to Anstalt fur Patentdienst. Sieve drum dryer. 3,374,552, 3–26–68, Cl. 34—115.
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Fleissner, Heinz, to VEPA, AG. Apparatus for the treatment of textile materials. 3,411,220. 11–19–68, Cl. 34—115.
Fleissner, Heinz, to VEPA A.G. Apparatus for the treatment of textile material. 3,412,474, 11–26–68, Cl. 34—122.
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Fletcher, Robert W., to The Electric Storage Battery Co. Method of manufacturing a small, button-type alkakline cell having a loose, powdered zinc anode. 3,418,172, 12–24–68, Cl. 136—111.
Fletcher, Roy W. Earth boring mechanism with expansion underreamer. 3,379,266, 4–23–68, Cl. 175—285.
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Flook, William M., Jr., and G. Barnhill III. Assembly for cleaning, packing, storing, and preserving paint applicators. 3,392,417, 7–16–68, Cl. 15—257.05.
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Flury, Karl, to Defensor. Fluid atomizer. 3,365,862, 1–30–68, Cl. 55—230.
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Forren, Richard E. Conversion unit for rotary mowers. 3,373,514, 3–19–68, Cl. 37—43.
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Forster, Hans-Joachim M., and J. A. Helmer, to Daimler-Benz Aktiengesellschaft. Rotor of a hydrodynamic unit. 3,408,047, 10–29–68, Cl. 253—77.
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Forster, Hermann, H. Irmler, S. Pfandler, and Schierz, to Semikron, Geselischaft fur Gleichrichterbau und Elektronik mbH. Device for making semiconductor arrangements. 3,371,836, 3–5–68, Cl. 228—40.
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Lagerstrom, Karl O. G., Wolke, and Hartmann. 3,362,881.
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Foster, George B., to Industrial Nucleonics Corp. Identifying flying craft. 3,390,849, 7–2–68, Cl. 244—3.15.
Foster, George B., K. A. Ostrander, and H. Cary, to Reliance Electric and Engineering Co. Non-contacting displacement gauge having a feedback means for controlling the vibration amplitude of the probe. 3,379,972, 4–23–68, Cl. 324—61.
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Foster, Harold M., and J. R. Kilsheimer, to Mobil Oil Corp. Certain substituted pyridylamides and pyridylureas. 3,376,309, 4–2–68, Cl. 260—295.
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Foster, John R., to Von Duprin, Inc. Mortise type latch assembly with reversible blocker means for knob detent. 3,361,462, 1–2–68, Cl. 292—165.
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Foster, Lawrence E., and H. E. Hicks, to Nooter Corp. Pipe repair device. 3,396,753, 8–13–68, Cl. 138—99.
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Foster, Norman F., to Bell Telephone Laboratories, Inc. Method of forming a piezoelectric ultrasonic transducer. 3,388,002, 6–11–68, Cl. 117—217.
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Foster, Peter W., to E. I. du Pont de Nemours and Co. Condensation polymers from 1,2-cyclopropane dicarboxylic acid. 3,418,287, 12–24–68, Cl. 260—78.
Foster, Raymond O. Means for detecting the fertile period. 3,406,015, 10–15–68, Cl. 23—230.
Foster, Raymond O., and D. T. Sapit. Means for detecting the fertile period. 3,406,016, 10–15–68, Cl. 23—230.
Foster, Rex E. Self straining eaves trough. 3,388,535, 6–18–68, Cl. 61—15.
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Foster, William P., to Borg-Warner Corp. Electrostatic printer employing belt type stencil thru which ions are deposited. 3,362,325, 1–9–68, Cl. 101—122.
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Foster, William R., to Mobil Oil Corp. Waterflood achieving high microscopic sweep efficiency. 3,362,473, 1–9–68, Cl. 166—9.
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Foucry, Jean, to Compagnie Generale d'Electricite. Aluminum cell. 3,415,688, 12–10–68, Cl. 136—100.
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Fouillet, Bernard. Metallic edge members for skis. 3,401,949, 9–17–68, Cl. 280—11.13.

Foulatier, Raymond G.: *See*—
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Foulke, Donald G., to Sel-Rex Corp. Electrodeposition of silver. 3,362,895, 1-9-68, Cl. 204—43.
Foulke, Donald G., to Sel-Rex Corp. Gold and gold alloy electroplating. 3,373,094. 3-12-68, Cl. 204—43.
Foulke, Donald G., O. Kardos, and H. Koretzky, to Hanson-Van Winkle-Munning Co. Electrodeposition of nickel. 3,366,-557, 1-30-68, Cl. 204—49.
Foulletier, Louis, to Ugine Kuhlmann. Process for treating a mixture of symmetric and asymmetric dichlorotetrafluoroethanes. 3,398,202, 8-20-68, Cl. 260—653.
Foulletier, Louis, to Ugine Kuhlmann. Process for the production of vinyl fluorice. 3,413,361, 11-26-68, Cl. 260—653.4.
Foulmakht, Veniamine V.: *See*—
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Foulon, Fernand G., and J. A. Mouret, to The Yoder Co. Multiple strip tensioning device. 3,386,679, 6-4-68, Cl. 242—36.2.
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Fourcade, Robert, and T. Van De Walle, to Houilleres du Bassin du Nord & du Pas-de-Calais. Black acetal resin compositions. 3,397,170, 8-13-68, Cl. 260—37.
Foure, Claude D., and C. H. C. Moussez, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Cooling of turbine blades. 3,376,918, 4-9-68, Cl. 165—47.
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Fourneau, Jean P., to Laboratoires Houde. Therapeutic composition containing a new pyridoxine derivative. 3,418,416, 12-24-68, Cl. 424—263.
Fournier, Albert A., Jr., to Uniroyal, Inc. Copolymers formed by reacting terephthalaldehyde with unsaturated monomer utilizing a Friedel-Crafts catalyst. 3,367,919, 2-6-68, Cl. 260—73.
Fournier, Henri, to AREF Fribourg. Loom. 3,416,573, 12-17-68, Cl. 139—127.
Fournier, Robert G.: *See*—
Blum, Jack F., Fournier, and Kesten. 3,408,524.
Fournier, Roger H., to Norton Co. Rotatable work holder for machine tools. 3,404,492, 10-8-68, Cl. 51—237.
Fourqurean, Nell S. Drinking container. 3,384,257, 5-21-68, Cl. 215—1.
Fourr, James O. Apparatus for protecting electrical power equipment from damage to too frequent repetition of start conditions. 3,387,182, 6-4-68, Cl. 317—40.
Fourt, Pierre M., to Societe Metallurgique d'Imphy. Process for obtaining solid zinc from zinc vapour containing gases. 3,414,401, 12-3-68, Cl. 75—25.
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Fink, Roger H., and Fouse. 3,371,421.
Fouse, Frederick Z., to Anchor Hocking Glass Corp. Dead plate conveyor for glass machines. 3,375,915, 4-2-68, Cl. 198—24.
Fouse, Frederick Z., to Anchor Hocking Glass Corp. Drive for glass-forming machines. 3,388,985, 6-18-68, Cl. 65—361.
Fouse, Frederick Z., to Anchor Hocking Glass Corp. Article transferring means. 3,410,417, 11-12-68, Cl. 214—1.
Fouse, Samuel S., to Westinghouse Electric Corp. Bus duct with power take-off means. 3,408,454, 10-29-68, Cl. 174—71.
Fouse, William H., to Anchor Hocking Glass Corp. Liquid-cooled holder for furnace electrode. 3,384,697, 5-21-68, Cl. 13—6.
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Fow, Benjamin R., R. F. Hazel, and W. D. Mount, to Sperry Rand Corp. Millimeter wave radiometer system for measuring air temperature. 3,380,055, 4-23-68, Cl. 343—100.
Fowell, Andrew J., to American Standard Inc. Baseboard heat exchanger apparatus. 3,395,752, 8-6-68, Cl. 165—55.
Fowkes, Frederick M., and F. W. Anderson, Jr., to Shell Oil Co. Separation process using a galvanic couple. 3,394,064, 7-23-68, Cl. 204—150.
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Fowler, Brian J., and A. K. Bose, to Newage Lyon Ltd. Centrifugal pumps. 3,401,640, 9-17-68, Cl. 103—113.
Fowler, F. Robert J., to General Motors Corp. Conformable oil filtering device. 3,371,793, 3-5-68, Cl. 210—445.
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Fowler, George L.: *See*—
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Fuell, Frederick J., Mattos, Fowler, and Parkins. 3,399,601.
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Fowler, Lawrence M. Formable light strip. 3,404,268, 10-1-68, Cl. 240—10.
Fowler, Peter H., and W. S. Litchman, to International Telephone and Telegraph Corp. Automated accounting system. 3,375,500, 3-26-68, Cl. 340—172.5.
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Donovan, Charles J., and Fowler. 3,404,419.
Fowler, Roland V., to Amerock Corp. Latching device. 3,410,-591. 11-12-68, Cl. 292—113.
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Fowler, Walter E. Firearms locking system. 3,416,404, 12-17-68, Cl. 89—190.
Fowler, Wilburn R. Automatic thread cutting attachment for industrial sewing machines. 3,418,953, 12-31-68, Cl. 112—252.
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Fox, Arthur G., to Bell Telephone Laboratories, Inc. Lens guided optical transmission path with diffraction correction. 3,382,022, 5-7-68 Cl. 350—54.
Fox, Benjamin, to Elco Corp. Contact with multiple termination. 3,412,369, 11-19-68, Cl. 339—217.
Fox, Charles H., and J. P. Mann, to Westinghouse Air Brake Co. Power train. 3,399,532, 9-3-68, Cl. 60—54.
Fox, Charles H., and W. H. McGlade, to Westinghouse Air Brake Co. Flexible drive for tractor-type prime mover. 3,403,746, 10-1-68, Cl. 180—70.
Fox, Charles J., and A. L. Johnson, to Eastman Kodak Co. Photoconductive substances having triphenylamine moieties for electrophotography. 3,387,973, 6-11-68, Cl. 96—1.5.
Fox, Charles R., to Park Chemical Co. Aluminum brazing furnace. 3,363,043, 1-9-68, Cl. 13—23.
Fox, Clyde C., to Westinghouse Electric Corp. Clothes dryer drive arrangement. 3,402,617, 9-24-68, Cl. 74—227.
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Fox, Daniel W., to General Electric Co. Crosslinked polyphenylene oxide. 3,375,298, 3-26-68, Cl. 260—830.
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Fox, Edward A.: *See*—
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Fox, Eugene R., to Cat-A-Gator Corp. Motor vehicle. 3,367,-436, 2-6-68, Cl. 180—22.
Fox, George C. Swimming pool structure. 3,371,455. 3-5-68. Cl. 52—169.
Fox, George C. Diving board. 3,416,793, 12-17-68, Cl. 272—66.
Fox, Gerald B.: *See*—
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Fox, Gerald B., to The Hobart Mfg. Co. Dishwashing machine with liquid sanitizer dispenser. 3,370,597, 2-27-68, Cl. 134—58.
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Fox, Harold L., to Sperry Rand Corp. Fluid flow dividing means for fluid control devices. 3,405,725, 10-15-68, Cl. 137—81.5.
Fox, Harold L., and F. R. Goldschmied, to Sperry Rand Corp. Multi-mode fluid device. 3,375,840, 4-2-68, Cl. 137—81.5.
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Fox, Homer M., and F. N. Ruehlen, to Phillips Petroleum Co. Process and apparatus for production of alkylate. 3,393,-249, 7-16-68, Cl. 260—671.
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Fox, J. Boyd, and C. P. Lamb, to Merla Tool Corp. Gas lift valves. 3,398,760, 8–27–68, Cl. 137—155.

Fox, Jack J., and N. C. Miller, to Research Corp. 1-β-D-arabinofuranosyl-5-fluorocytosine compounds. 3,404,144, 10–1–68, Cl. 260—211.5.

Fox, James E., Jr., to Pan American Petroleum Corp. Apparatus for running large diameter casing. 3,398,794, 8–27–68, Cl. 166—67.

Fox, James H., to Brown Co. Carton having non-rectangular cross-section. 3,361,329, 1–2–68, Cl. 229—38.

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Fox, John D., and T. W. F. Foster, to Kaiser Aluminum & Chemical Corp. Repulsion induction pump. 3,411,447, 11–19–68, Cl. 103—1.

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Fox, Joseph S., Sr., to General Electric Co. Door latch mechanism. 3,367,697, 2–6–68, Cl. 292—113.

Fox, Kirk H., to Gates & Co., Inc. Block device. 3,413,812, 12–3–68, Cl. 61—45.

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Fox, Richard C., to Chevron Research Co. Slow-release coating composition consisting of wax and ethylene vinyl-acetate. 3,372,019, 3–5–68, Cl. 71—64.

Fox, Richard C., to Chevron Research Corp. Method of coating water-soluble particles. 3,400,011, 9–3–68, Cl. 117—100.

Fox, Richard C., to Chevron Research Corp. Coating compositions containing paraffin wax, ethylene-vinyl acetate copolymer, and Fischer-Tropsch wax. 3,400,092, 9–3–68, Cl. 260—28.5.

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Fox, Richard J., to United States of America, Atomic Energy Commission. Method for preparation and encapsulation of germanium gamma ray detectors. 3,390,449, 7–2–68, Cl. 29—580.

Fox, Ripley D. Visual note indicator for stringed instruments. 3,379,088, 4–23–68, Cl. 84—485.

Fox River Tractor Co.: *See*—
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Fox, Ruby K. Inflated dress form measurement harness. 3,405,852, 10–15–68, Cl. 223—67.

Fox, Theodore A., to Sears, Roebuck and Co. Surgical girdle. 3,396,730, 8–13–68, Cl. 128—548.

Fox, Thomas A., to Fox Industries, Inc. Gauge control rolling mills and methods of rolling. 3,391,557, 7–9–68, Cl. 72—16.

Fox, William A., and C. H. McMills, ⅛ to C. P. Riva, Jr. Chair tie. 3,383,738, 5–21–68, Cl. 24—81.

Fox, William B., and J. S. MacKenzie, to Allied Chemical Corp. Production of fluoro compounds. 3,392,099, 7–9–68, Cl. 204—177.

Fox, William B., R. E. Eibeck, and J. S. MacKenzie, to Allied Chemical Corp. Novel fluoro compounds. 3,394,998, 7–30–68, Cl. 23—356.

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Bowditch, Hoal L., and Sanford. 3,371,862.
Cook, Lyman. 3,401,561.
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Hatch, Richard W., Jr. 3,371,675.
Hatch, Richard W., Jr., and Murphy. 3,417,773.
Hickes, Willis F., and Newell. 3,394,338.
Howe, Wilfred H. 3,371,530.
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Shinskey, Francis G., and Louis. 3,417,737.
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Wall, Hugh A. 3,364,730.
Whipple, Willard E., Schoppe, and Earle. 3,409,805.

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Foxley-Conolly, Brian P. Internal combustion engine. 3,361,119, 1–2–68, Cl. 123—8.

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Foyster, John A.: *See*—
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Foyster, Lloyd: *See*—
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Foyster, Mark: *See*—
Conway, Richard J. 3,371,784.

Foyster, Olga M.: *See*—
Conway, Richard J. 3,371,784.

Fraas, Foster, to United States of America, Interior. Magnetic separator with combination field. 3,382,977, 5–14–68, Cl. 209—214.

Fracke, Aribert, H. Klein, R. Pieper, and E. Weber, to Siemens Aktiengesellschaft. Vortex separator for solid or liquid aerosols or the like. 3,396,511, 8–13–68, Cl. 55—83.

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Frager, Glenn E., and B. J. Pfenninger, to Krause Corp. Inc. Farm implement having elastomer mounting. 3,414,252, 12–3–68, Cl. 267—1.

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Francais, Guy, and C. Horny, to Office National d'Etudes et de Recherches Aerospatiales. Benzidene boron complex and process for preparing the same. 3,362,995, 1–9–68, Cl. 260—578.

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Francel, Josef, and A. D. Pinotti, to Owens-Illinois, Inc. Color indicia for glass and method of applying same. 3,378,390, 4–16–68, Cl. 117—43.

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Franchi, Louis J., R. Sellite, and J. E. Bulloch, to Bendix Corp. Fail operable servo mechanism for an automatic flight control system. 3,379,951, 4–23–68, Cl. 318—489.

Franchini, Enzo, to Fiat Societá per Azioni. Fuel tank filler cap. 3,415,410, 12–10–68, Cl. 220—44.

Franchuk, Valentin I., T. B. Andrianova, and M. D. Boyshev, deceased (J. M. and I. M. Bobyshev, administrators). Anthraquinone process for the production of hydrogen peroxide. 3,408,163, 10–29–68, Cl. 23—207.

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Francis, Alex W., Jr., to Combustion Engineering, Inc. Emulsion treatment apparatus. 3,418,252, 12–24–68, Cl. 252—360.

Francis, Alex W., Jr., R. W. Coggins, and J. O. Brown, to Combustion Engineering, Inc. Combustion control. 3,366,331, 1–30–68, Cl. 236—25.

Francis, Alex W., Jr., and C. O. Meyers, to Combustion Engineering, Inc. Apparatus for reconcentrating liquid desiccant. 3,370,636, 2–27–68, Cl. 159—16.

Francis, Alfred W.: *See*—
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Edwards, Ralph W., Francis, and Wu. 3,362,943.

Francis, Alfred W., to Mobil Oil Corp. Separation of atactic from tactic polypropylene. 3,395,136, 7–30–68, Cl. 260—93.7.

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Francis, Charles B. Foldable aerial toy composed of two blades hinged end to end. 3,375,606, 4–2–68, Cl. 46—86.

Francis, Donald W. Book support device. 3,408,032, 10–29–68, Cl. 248—450.

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Francis, Frank P. G., and G. V. Watts, to British Hovercraft Corp. Ltd. Flexible skirts for air cushion borne vehicles. 3,395,772, 8–6–68, Cl. 180—127.
Francis, Frank P. G., and G. V. Watts, to British Hovercraft Corp. Ltd. Flexible skirts for air cushion borne vehicles. 3,416,627, 12–17–68, Cl. 180—127.
Francis, Gerald C.: *See*—
Dunklin, Edward W., and Francis. 3,409,067.
Francis, Gus. Method and apparatus for propelling projectiles for space and other applications. 3,386,380, 6–4–68, Cl. 102—23.
Francis, Gus, and W. H. Sustrich, to United States of America, Army. Incendiary projectile. 3,370,536, 2–27–68, Cl. 102—66.
Francis, James T. Golf cart. 3,403,922, 10–1–68, Cl. 280—41.
Francis, James W., to Commercial Solvents Corp. Gelled ammonium nitrate-nitromethane explosive composition. 3,377,217, 4–9–68, Cl. 149—50.
Francis, James W., to Commercial Solvents Corp. Gelled ammonium nitrate-nitromethane-nitropropane explosive composition. 3,379,586, 4–23–68, Cl. 149—19.
Francis, John P. Windshield weather visor. 3,375,036, 3–26–68, Cl. 296—95.
Francis, John P. Vehicle for transporting freight. 3,392,682, 7–16–68, Cl. 105—367.
Francis, Joseph S. Quick connect coupling. 3,413,018, 11–26–68, Cl. 285—86.
Francis, Justin J., to United States of America, Atomic Energy Commission. Balancing device for propellers. 3,362,251, 1–9–68, Cl. 74—573.
Francis, Lynn M., ½ to E. A. Skae. Accelerator position control device for automotive vehicles. 3,365,034, 1–23–68, Cl. 192—3.
Francis, Mike J. Automobile cooling shroud. 3,401,743, 9–17–68, Cl. 165—51.
Francis, Samuel A., to The Sippican Corp. Oceanographic measuring and recording device. 3,401,560, 9–17–68, Cl. 73—170.
Francis, Samuel A., to The Buzzards Corp. Single wire measuring device for bathythermograph system. 3,417,619, 12–24–68, Cl. 73—362.
Francis, Seseen. Self-dispensing container. 3,381,857, 5–7–68, Cl. 222—100.
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Francisco, Edward E., Jr., to Flow Technology, Inc. Flowmeter calibration. 3,403,544, 10–1–68, Cl. 73—3.
Franck, Abraham, to Fabri-Tek Inc. Binary arithmetic network. 3,375,358, 3–26–68, Cl. 235—175.
Franck, George E., to Imperial-Eastman Corp. Laterally and angularly adjustable tube fitting. 3,361,450, 1–2–68, Cl. 285—271.
Franck, George E., to Imperial-Eastman Corp. Hose assembly. 3,412,760, 11–26–68, Cl. 188—96.
Franck, John M., to Bethlehem Steel Corp. Apparatus for measuring the temperature of a moving surface. 3,400,587, 9–10–68, Cl. 73—343.
Franck, Kurt, to Holophane Co., Inc. Street lighting luminaires. Re. 26,397, 6–4–68, Cl. 240—25.
Franco, Alfred M., to M. Grumbacher, Inc. Paint tube package. 3,384,222, 5–21–68, Cl. 206—46.
Franco, Philip C.: *See*—
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Francois, Marcel, to Hotchkiss-Brandt. Method and machine for tying up bundles and packets. 3,364,847, 1–23–68, Cl. 100—3.
Francois, Marcel, to Hotchkiss-Brandt. Machine for arranging letters and the like into rows. 3,374,904, 3–26–68, Cl. 214—7.
Francois, Marcel, to Compagnie Francaise Thomson Houston-Hotchkiss Brandt. Column-mounted portable firearm for a projectile. 3,405,469, 10–15–68, Cl. 42—1.
Francois, Pierre A., to Union Carbide Corp. Suction box cover. 3,404,066, 10–1–68, Cl. 162—374.
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Frangos, John, to Revlon, Inc. Safety valve for aerosol containers. 3,385,481, 5–28–68, Cl. 222—396.
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Frangos, John, to Revlon, Inc. Quick filling valve for pressurized containers. 3,400,864, 9–10–68, Cl. 222—402.16.
Frangos, John, to Revlon, Inc. Pressure fluid dispensing and anti-clogging device. 3,406,877, 10–22–68, Cl. 222—402.1.
Frangos, John, to Revlon, Inc. Mechanical break-up actuator for fluid dispensers. 3,406,913, 10–22–68, Cl. 239—543.
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Frank, Albert, A. Kraushaar, H. Margreiter, and R. Schunk, to Biochemie Gesellschaft mit beschraenkter Haftung. 2-(heterocyclic aminoalkyl)-cyclic ketone-2-carboxylic acid benzyl esters. 3,399,204, 8–27–68, Cl. 260—294.3.
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Frank, Egon. High-frequency stereo decoder containing electronic mono-stereo switching means. 3,377,430, 4–9–68, Cl. 179—15.
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Frankel, Edwin N., to United States of America, Agriculture. Conjugation of vegetable oils via iron tricarbonyl complex and decomposition thereof by carbon monoxide. 3,392,-177, 7–9–68, Cl. 260—405.6.

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Fransen, Theodorus, to N. V. Machinefabriek L. Te Strake. Device for storing a length of weft thread and introducing it into a shed. 3,367,372, 2–6–68, Cl. 139—127.

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Frantz, Virgil L., to Graham-White Sales Corp. Fluid actuated locomotive sanding system. 3,375,032, 3–26–68, Cl. 291—12.

Frantz, Virgil L., to Graham-White Sales Corp. Air filter assembly. 3,402,529, 9–24–68, Cl. 55—267.

Frantz, Virgil L., to Graham-White Sales Corp. Sand discharge pipe connection. 3,404,903, 10–8–68, Cl. 285—24.

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Frantzen, John J., to Buckbee-Mears Co. Process for making solid electrical connection through a double-sided printed circuit board. 3,385,773, 5–28–68, Cl. 204—16.

Frantzen, John J., to Buckbee-Mears Co. Compensator stand. 3,401,860. 9–17–68, Cl. 226—199.

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Berthmann, Adolf, Lingens, and Franze. 3,369,944.
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Fraser, Cyril C. Theft protection for vehicles in parking lots. 3,401,544, 9-17-68, Cl. 70—248.
Fraser, Cyril C. Theft protection for vehicles in parking lots. 3,401,545, 9-17-68, Cl. 70—255.
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Friedman, Irwin R., and G. P. Staats, to The Trane Co. Pressure vessel. 3,393,731, 7–23–68, Cl. 165—158.

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Friedman, Leonard. Converted squaring shears. 3,418,875, 12–31–68, Cl. 83—694.

Friedman, Lester, to Weston Chemical Corp. Fire retardant phosphorous-containing additives. 3,382,191, 5–7–68, Cl. 260—2.

Friedman, Lewis, T. F. Moran, and J. J. Leventhal, to United States of America, Atomic Energy Commission. Mass spectrometer utilizing an ion beam for ionizing the gas to be analyzed. 3,392,280, 7–9–68, Cl. 250—41.9.

Friedman, Melvin, to Polaroid Corp. X-ray film cassette for back-reflection lane photography having means for cutting an exposure opening in the film. 3,391,277, 7–2–68, Cl. 250—68.

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Friedman, Nathan R. Closure latch assembly. 3,397,001, 8–13–68, Cl. 292—87.

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Frohbach, Hugh F., and A. Macovski, to Minnesota Mining and Mfg. Co. Audio-video disk recording system with cross-talk prevention. 3,371,154, 2–27–68, Cl. 178—5.6.
Frohbach, Hugh F., and A. Macovski, to Minnesota Mining and Mfg. Co. Television recording system having audio signals recorded during horizontal blanking intervals. 3,371,-156, 2–27–68, Cl. 178—6.6.
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Frohbieter, Edwin H., to Whirlpool Corp. Method of harvesting ice bodies and apparatus therefor. 3,383,876, 5–21–68, Cl. 62—72.
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Frohlich, Gerhard J., T. W. Segar, and T. S. Go, to St. Paul Ammonia Products, Inc. Phosphoric acid extraction. 3,375,-068, 3–26–68, Cl. 23—165.
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Frost, Nelson A. Acoustical tunnel or the like detecting device. 3,379,274, 4–23–68, Cl. 181—.5.

Frost, Nelson A. Axially aligned identical half flexible hose connecting means. 3,379,458, 4–23–68, Cl. 285—70.

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Fukuda, Ken, S. Hayashi, T. Owada, and T. Munekata, to Kureha Kagaku Kogyo Kabushiki Kaisha. Complex metal salts of phosphato esters. 3,412,182, 11–19–68, Cl. 260—957.

Fukuda, Nobuo, T. Kimura, and K. Wada, to Yawata Iron & Steel Co., Ltd. Method for controlling operations for the cooling of steel plate in accordance with formulae obtained by theoretical analysis. 3,364,713, 1–23–68, Cl. 72—201.

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Fukumoto, Osamu, M. Kubo, and T. Kamijo, to Toyo Rayon Kabushiki Kaisha. Shaped article of polyolefin composition having improved dyeability containing metal compounds and a process for dyeing the same. 3,404,140, 10–1–68, Cl. 260—93.7.

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Fukushima, Danji, K. Uchida, K. Hayashi, A. Yasuda, and A. Arai, to Kikkoman Shoyu Co., Ltd. Method for cultivating micro-organisms having exoenzyme-producing ability. 3,361,643, 1–2–68, Cl. 195—66.

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Fuller, George, to Imperial Smelting Corp. (N.S.C.) Ltd. Preparation of highly fluorinated aromatic compounds. 3,366,699, 1–30–68, Cl. 260—650.

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Fuller, Harrison W., to Laboratory for Electronics, Inc. Thin film shift register. 3,369,225, 2–13–68, Cl. 340—174.

Fuller, Harrison W., to Laboratory for Electronics, Inc. Magnetic amplifier. 3,372,345, 3–5–68, Cl. 330—63.

Fuller, Jackson F., and H. H. Lawson, to General Electric Co. Electrical distribution system. 3,383,562, 5–14–68, Cl. 317—22.

Fuller, Joseph C. Tube-cleaning device. 3,400,419, 9–10–68, Cl. 15—104.1.

Fuller, Joseph R. Ventilation exhaust fan with back draft preventer. 3,384,000, 5–21–68, Cl. 98—43.

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Fuller, Robert A. Miniature transformer. 3,381,251, 4–30–68, Cl. 336—83.

Fuller, Robert A., to Emhart Corp. Heating section of decorating lehr. 3,388,899, 6–18–68, Cl. 263—8.

Fuller, Thomas J. D., Jr., to T. J. D. Fuller, Jr., Trust. Illuminated translucent signs. 3,381,401, 5–7–68, Cl. 40—132.

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Fulmer, George M., to Gichner Mobile Systems, Inc. Hydraulically operated demountable running gear with diagonal rams. 3,378,276, 4–16–68, Cl. 280—43.23.

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Fulmor, Theodore G.: *See*—
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Fulop, Jules E., to Allan Mfg. Co. Guide for a fishing line. 3,417,501, 12–24–68, Cl. 43—24.

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Fulton, Bertram A. Directional power transmission. 3,365,037, 1–23–68, Cl. 192—41.
Fulton, Bertram A., to Metal Edge Industries. Apparatus for forming boxes. 3,375,761, 4–2–68, Cl. 93—41.1.
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Fulton, Howard A., V. D. Flinner, and M. G. Sheaffer, to Mansfield Sanitary, Inc. Unified plastic ballcock and silencer. 3,414,005, 12–3–68, Cl. 187—436.
Fulton, Langdon H., to Radio Corp. of America. Tape transport drive means. 3,396,890, 8–13–68, Cl. 226—177.
Fulton, Loyd R. Dump-body accessory for pick-up truck. 3,411,825, 11–19–68, Cl. 298—19.
Fulton, Robert T., deceased; by A. M. Fulton, executor, ½ to Standard Fiscal, Inc., and ½ to C. S. Fulton. Reversible friction drive device. 3,372,781, 3–12–68. Cl. 192—43.
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Vogel, Arthur E. 3,404,899.
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Fulwyler, Mack J., to United States of America, Atomic Energy Commission. Particle separator. 3,380,584, 4–30–68, Cl. 209—3.
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Fumat, Joseph, to Societe des Mecaniques Verdol. Device for rotating the pattern cylinder of double-lift dobbies independently of its normal drive. 3,407,848, 10–29–68, Cl. 139—1.
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Fumea, Harry J., Jr., and R. L. Parks, to Westinghouse Electric Corp. Circuitry for static bandwidth control over a wide dynamic range. 3,368,157, 2–6–68, Cl. 330—24.
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Funahashi, Takaji. Continuous noncellular rubber foam stamp. 3,402,663, 9–24–68, Cl. 101—327.
Funaki, Akio, and K. Sato, to Hitachi, Ltd. Lamp tuning indicator for transistor radio. 3,365,669, 1–23–68, Cl. 325—455.
Funazuka, Hisashi, to Fujitsu Limited. Magnetic transducer positioning apparatus. 3,399,392, 8–27–68, Cl. 340—174.1.
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Fundingsland, John O. Tape cartridge player. 3,381,910, 5–7–68, Cl. 242—55.13.
Fundingsland, John O. Magnetic recording tape cartridge. 3,404,848, 10–8–68, Cl. 242—55.13.
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Funfstuck, Horst, to Statham Instruments, Inc. Arterial blood pressure monitor. 3,400,709, 9–10–68, Cl. 128—2.05.
Funiciello, Orazio. Synchromesh gears. 3,378,122, 4–16–68, Cl. 192—53.
Funk, Charles F., 25% to J. B. Thompson. Method of cladding metal. 3,396,776, 8–13–68, Cl. 164—64.
Funk, Howard L., to International Business Machines Corp. Averaging and differencing system. 3,371,200, 2–27–68, Cl. 235—193.
Funk, Howard L., to International Business Machines Corp. Digital scanning densitometer. 3,413,065, 11–26–68, Cl. 356—202.
Funk, Howard L., M. Krakinowski, and F. P. Palermo, to International Business Machines Corp. Patch panel wiring system. 3,413,525. 11–26–68, Cl. 317—99.
Funk, Jack N., and R. V. Ramsey, to The Boeing Co. Damage intelligence system. 3,387,120, 6–4–68, Cl. 235—150.2.
Funk, John W., S. F. Pelowski, R. G. Lapham, and C. D. Andrews, to Burroughs Corp. Web tracking device. 3,368,726, 2–13–68, Cl. 226—17.
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Funk, Norman J., and J. F. Justice, to Caterpillar Tractor Co. Face drive mechanism for friction welders. 3,393,851, 7–23–68, Cl. 228—2.
Funk, Roger S. Automatic marking and cutting of flexible sheets. 3,387,548, 6–11–68, Cl. 95—73.
Funk, William E., and I. H. Lehman. Apparatus for treating soil. 3,395,896, 8–6–68. Cl. 259—96.
Funke, Emil, to P. F. Peddinghaus. Probing device on punch presses and the like. 3,387,525, 6–11–68, Cl. 83—554.
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Furlani, John J., to United States of America, Army. Fuze arming system. 3,417,700, 12–24–68, Cl. 102—70.2.
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Furlong, Owen D. A. C., to Westland Aircraft Ltd. Aircraft cooling system. 3,369,777, 2–20–68, Cl. 244—59.
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Furrer, Erich. Sliding door for automobiles. 3,384,995, 5–28–68, Cl. 49—213.
Furrer, Rudolf, to Automation Industrielle S.A. Spray guns. 3,385,526, 5–28–68, Cl. 239—410.
Furrer, Urs B., and R. M. Lautore. Camera supporting means. 3,374,974, 3–26–68, Cl. 248—13.
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Furth, Harold P. Magnetic pressure liquid circuit breaker. 3,381,248, 4–30–68, Cl. 335—51.
Furuhashi, Tamotsu, to Seikagaku Kogyo Co., Ltd. Preservative for eye graft material. 3,371,012, 2–27–68, Cl. 167—59.
Furui, Shungo, 50% to G. Thunberg. Sequential starting circuit for a pair of fluorescent lamps. 3,372,300, 3–5–68, Cl. 315—96.
Furui, Shungo, 25% to Y. Akamatsu. Plural lamp starting circuit utilizing high impedance and glow discharge switch to cause the lamps to acts as ballasts. 3,397,343, 8–13–68, Cl. 315—189.
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Furukawa, Junji, T. Saegusa, and H. Imai, to Nippon Oil Co., Ltd. Method of polymerizing monoolefinically unsaturated compounds using aluminum oxyhalide as catalyst. 3,361,731, 1–2–68, Cl. 260—91.1.

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Furukawa, Junji, T. Saegusa, and H. Imai, to Nippon Oil Co., Ltd. Polymerization of cyclic ethers using a catalyst system comprising aluminum halide etherate. 3,390,129, 6–25–68, Cl. 260—67.

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Furukawa, Shinichi, K. Yamada, and I. Takizawa, to Mitsubishi Jukogyo Kabushiki Kaisha. Apparatus for fixing a waterproof band for use in the cutting or the joining of a structure floating on the water. 3,401,664, 9–17–68, Cl. 114—77.

Furukawa, Takashi, T. Kamiya, and A. Nakamura, to Teijin Ltd. Fiberglass reinforced polyethylene terephthalate. 3,368,995, 2–13–68, Cl. 260—40.

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Fye, Carl W., and L. T. Pannell. Power supply for portable power tools. 3,381,711, 5–7–68, Cl. 137—615.

Fyfe, Donald R., to The Metal Box Co., Ltd. Rollers. 3,389,449, 6–25–68, Cl. 29—116.

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Fyke, Homer R., to J. H. Emoto. Guitar support. 3,366,293, 1–30–68, Cl. 224—5.

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Boston, Robert L., and Roth. 3,406,921.
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Giles, Alonzo R. 3,373,489.
GPE Controls, Inc.: *See*—
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Gabor, Andrew, to Potter Instrument Co., Inc. Unsymmetrical high density magnetic recording system. 3,373,415, 3–12–68, Cl. 340—174.1.
Gabor, Andrew, to Potter Instrument Co., Inc. Random access magnetic tape storage device. 3,378,826, 4–16–68, Cl. 340—174.1.
Gabor, Andrew, to Potter Instrument Co., Inc. High density recording system. 3,374,475, 3–19–68, Cl. 340—174.1.
Gabor, Andrew, to Potter Instrument Co., Inc. Variable time discriminator for double frequency encoded information. 3,395,355, 7–30–68, Cl. 328—72.
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Ebstein, John W. 3,375,004.
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Gabriel, Melvin E., to Zenith Radio Corp. Television deflection apparatus. 3,405,313, 10–8–68, Cl. 315—27.
Gabriel, Richard L., to General Electric Co. Lubrication of chlorobutyl rubber using trichlorosilane. 3,377,327, 4–9–68, Cl. 260—85.3.
Gabrielson, James E., to Esso Research and Engineering Co. Pneumatic control of furnaces. 3,388,862, 6–18–68, Cl. 236—15.
Gabrielson, Reidar G., to Motorola, Inc. Control system with variable length messages and plural decoder levels. 3,408,626, 10–29–68, Cl. 340—163.
Gachot, Jean. Ball valve with annular seal. 3,394,915, 7–30–68, Cl. 251—174.
Gachot, Jean. Ball valve. 3,409,268, 11–5–68, Cl. 251—148.
Gachot, Jean. Valve having a plug fitted with a plastic bellows element and method of assembly thereof. 3,413,990, 12–3–68, Cl. 137—15.
Gadbois, George A., to United States of America, Navy. Four-channel telemetry circuit. 3,373,405, 3–12–68, Cl. 340—147.
Gadd, Francis O., to General Motors Corp. Tandem axle suspension. 3,378,277, 4–16–68, Cl. 280—104.5.
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Gaertner, Richard F., and F. F. Holub, to General Electric Co. Process for preparing a polyamide acid solution. 3,417,042, 12–17–68, Cl. 260—30.2.
Gaertner, Van R., to Monsanto Co. Polyglycidylpolyamine treated polysaccharides. 3,361,590, 1–2–68, Cl. 117—135.5.
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Gaertner, Van R., to Monsanto Co. Diglycidylamine treated polysaccharides. 3,391,018, 7–2–68, Cl. 117—135.5.
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Byrnes, Herbert P., Gagliano, and Schick. 3,400,358.
Gagliardi, Domenick D., to Colgate-Palmolive Co. Soil proofing textiles with fiber reactive fluoroalkyl derivatives of amino-aldehyde compounds. 3,362,782, 1–9–68, Cl. 8—116.3.
Gagliardi, Domenick D., to Colgate-Palmolive Co. Fluoroacid and zirconium oxyhalide compositions and materials treated therewith. 3,372,039, 3–5–68, Cl. 106—2.
Gagliardi, Gene R.: *See*—
Board, Samuel S., Jr., Gagliardi, and Hold. 3,371,450.
Parrella, Alfred T., and Gagliardi. 3,391,497.
Gagliardi, Mario P., A. J. Dunne, A. R. Heuser, and J. W. Healy, to Interchemical Corp. Method of intaglio printing. 3,400,658, 9–10–68, Cl. 101—170.
Gagliardi, Richard P., and L. C. Metz, Jr., to United States of America, Navy. Triggered spark gap electronic protector. 3,387,216, 6–4–68, Cl. 328—8.

Gagliardi, Romano, to R.A.P. Automobil Patent Anstalt. Apparatus for supporting and testing vehicle wheels. 3,411,346, 11–19–68, Cl. 73—117.

Gagliardini, Emilio, to Sipcon Societa Itallana Prodotti Chimici e per l'Agricoltura Milan, S.p.A. Preparation of heavy metal complex salts of ethylenebisdithiocarbamic acid and dimethyldithiocarbamic acid. 3,412,117, 11–19–68, Cl. 260—429.

Gagliardo, Enzo: *See*—
Bargellini, Fausto, and Gagliardo. 3,379,669.

Gagliardo, John P., to E. W. Bliss Co. Dual outlet valve. 3,392,920, 7–16–68, Cl. 239—446.

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Zaphiriou, James G., Cabauatan, and Gagne. 3,376,840.

Gagnebin, Fredy: *See*—
Jucker, Erich, and Gagnebin. 3,407,645.

Gagneux, Andre: *See*—
Leonard, Frederick, and Gagneux. 3,369,044.

Gagneux, Andre R., and F. Hafliger, to Geigy Chemical Corp. 3-hydroxy-5-isoxazole-carboxamide. 3,397,209, 8–13–68, Cl. 260—307.

Gagnier, Real: *See*—
Bierman, Eric, Gagnier, and Kenedi. 3,399,279.

Gagnier, Real, R. Kenedi, and W. C. Klassen, to Northern Electric Co. Ltd. Line lockout circuit. 3,378,642, 4–16–68, Cl. 179—18.

Gagnier, Walter J. Telescopic gunsight mount. 3,381,924, 5–7–68, Cl. 248—205.

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Gagnon, Robert. Portable electric welding device. 3,376,538, 4–2–68, Cl. 338—231.

Gagnon, Theodore L.: *See*—
Roy, Hubert F., and Gagnon. 3,390,498.

Gagolski, Julian: *See*—
Curtin, John H., and Gagolski. 3,375,168.

Gahagan, Kenneth N.: *See*—
Biro, Alexander J., and Gahagan. 3,410,040.

Gähle, Walter, to Firma Rheinmetall G.m.b.H. Blank cartridge for guns. 3,366,057, 1–30–68, Cl. 102—39.

Gahle, Walter, to Firma Rheinmetall G.m.b.H. Blank cartridge. 3,398,683, 8–27–68, Cl. 102—39.

Gahle, Walter, to Firma Rheinmetall G.m.b.H. Spraying canister. 3,399,468, 9–3–68, Cl. 35—25.

Gähle, Walter, to Firma Rheinmetall G.m.b.H. Separately-loaded ammunition. 3,407,735, 10–29–68, Cl. 102—97.

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Migule, Albrecht, Gaia, and Gentili. 3,412,528.

Gaignebet, Jean: *See*—
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Gaignon, Maurice H. R. J., and M. J. C. Lefort, to Rhone-Poulenc S.A. Preparation of vinylsilanes by Si-H-acetylene addition. 3,404,169, 10–1–68, Cl. 260—448.2.

Gainer, Alvis B., and L. E. McMakin, to Mobil Oil Corp. Vapor phase esterification of terephthalic acid in the presence of alkali metal impregnated catalyst. 3,377,376, 4–9–68, Cl. 260—475.

Gaines, Albert L., to Combustion Engineering, Inc. Nut and pre-pretensioned bolt apparatus and method of assembly thereof for securing members together. 3,385,469, 5–28–68, Cl. 220—55.

Gaines, Albert L., to Combustion Engineering, Inc. High pressure vessel having hoop loaded outer cylinder and axially loaded split inner cylinder. 3,411,655, 11–19–68, Cl. 220—3.

Gaines, Albert L., G. A. Rutledge, and R. B. Creek, to Combustion Engineering Inc. Insulating arrangement to protect the trunnion ring and walls of a basic oxygen vessel. 3,381,951, 5–7–68, Cl. 266—36.

Gaines, Brian R.: *See*—
Andrese, John H., Joyce, and Gaines. 3,411,138.

Gaines, Donald R.: *See*—
Tinder, David V., Knapp, and Gaines. 3,374,372.

Gaines, George L., Jr., C. S. Herrick, and R. P. Anderson, to General Electric Co. Transport structure for deformable medium in a liquid light valve projection apparatus. 3,415,682, 12–10–68, Cl. 117—218.

Gaines, Jack H., and F. K. Bourhenne, to Sierra Electric Corp. Telephone jack plug. 3,380,015, 4–23–68, Cl. 339—107.

Gaines, Jack H., and F. K. Bourhenne, to Sierra Electric, Inc. Electrical relay switch actuator. 3,402,374, 9–17–68, Cl. 335—68.

Gaines, William C., Jr., to American Air Filter Co., Inc. Pocket-type filter. 3,386,232, 6–4–68, Cl. 55—500.

Gaines, William M., to The Singer Co. Pattern attachment for tufting machines. 3,375,797, 4–2–68, Cl. 112—79.

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Brown, George W., and Lewis. 3,364,515.

Gainey, Hugh G.: *See*—
Beasley, Augustus E., Jr., Cowan, and Gainey. 3,379,650.
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Gajjar, Bharat J., to E. I. du Pont de Nemours and Co. Warp-knitted fabric. 3,403,537, 10–1–68, Cl. 66—195.

Gal, George: *See*—
Chemerda, John M., Gal, and Sletzinger. 3,398,157.

Gal, George, to Merck & Co., Inc. Process for preparing 3-indolyl acetic acids. 3,390,154, 6–25–68, Cl. 260—326.13.

Gal, George, to Merck & Co., Inc. Process for preparing 3-indolyl acetic acids. 3,397,211, 8–13–68, Cl. 260—326.13.

Gal, George, and M. Sletzinger, to Merck & Co., Inc. Lower alkyl gamma Keto acid 2-pyranyl esters. 3,376,316, 4–2–68, Cl. 260—345.8.

Gal, George, and M. Sletzinger, to Merck & Co., Inc. Preparation of androstadiene propionic acid lactone and intermediates thereof. 3,413,289, 11–26–68, Cl. 260—239.57.

Gal, George, and M. Sletzinger, to Merck & Co., Inc. Process for 17α-(3'-hydroxypropyl)-5-androstene-3β,17β-diol and the di-tetrahydropyranyl ether thereof. 3,415,819, 12–10–68, Cl. 260—239.55.

Galantay, Eugene E.: *See*—
Frey, Albert J., and Galantay. 3,382,242.

Galantay, Eugene E., to Sandoz, Inc. Benzocycloheptaoxazoles. 3,408,360, 10–29–68, Cl. 260—307.

Galantay, Eugene E., to Sandoz, Inc. 6,7-dihydro-5H-benzocyclohepten-5-ones and process of preparing same. 3,408,399, 10–29–68, Cl. 260—590.

Galaske, Folker: *See*—
Fleischer, Manfred, and Galaske. 3,417,847.

Galaspie, Charles E.: *See*—
Aiken, Robert W., Canup, and Galaspie. 3,407,795.

Galassi, Angelo, to Pneumafil Corp. Scraper roll clearer. 3,407,428, 10–29–68, Cl. 15—256.51.

Galasso, Maurice, and G. A. Davidson, to Beckman Instruments, Inc. Centrifuge apparatus. 3,393,864, 7–23–68, Cl. 233—26.

Galat, Alexander, Stable, neutral, water soluble derivatives of aspirin. 3,382,273, 5–7–68, Cl. 260—480.

Galat, Alexander. Amino acid derivatives. 3,392,195, 7–9–68, Cl. 260—518.

Galaud, Gerard: *See*—
Aubertin, Charles, Lefebvre, Galaud, and Prospert. 3,399,030.

Galazin, Trude. Over-the-shoulder garment carrier. 3,362,599, 1–9–68, Cl. 224—45.

Galbarini, Maso, and F. C. Ramusino, to Innocenti Societa Generale per L'Industria Metallurgia e Meccanica. Work holder. 3,362,295, 1–9–68, Cl. 90—15.1.

Galbierz, Jerome J.: *See*—
Ellerbrock, Donald H., Galbierz, and Beckley. 3,381,594.

Galbraith, Donald D. Interlocking-type border building unit. 3,415,013, 12–10–68, Cl. 47—37.

Galbraith, Jack O. Supporting device for sighting firearms. 3,390,477, 7–2–68, Cl. 42—94.

Galbreath, Richard N., to General Tire & Rubber Co. Expansion joint. 3,363,522, 1–16–68, Cl. 94—18.

Galbreath, Richmond B., to Cities Service Research and Development Co. Hydrogenation process. 3,413,214, 11–26–68, Cl. 208—143.

Gale, Burton A.: *See*—
Culberg, Jack J., and Gale. 3,366,313.
Weiner, Sol S., Gale, and McNally. 3,367,814.

Gale, David M., to E. I. du Pont de Nemours and Co. 7,7-di-(fluoroalkyl)-1,3,5-cycloheptatrienes and 2,2-bis(fluoroalkyl)-bicyclo[3.2.0]-3,6-heptadienes. 3,391,202, 7–2–68, Cl. 260—648.

Gale, Donald J.: *See*—
Mauldin, William L., and Gale. 3,418,067.

Gale, John A., to John Gale Co. Contour lounge chair. 3,370,885, 2–27–68, Cl. 297—328.

Gale, John A., and W. A. Eastman, to John A. Gale Co. Continuous bag system. 3,392,825, 7–16–68, Cl. 206—47.

Gale, John, Co.: *See*—
Gale, John A. 3,370,885.
Gale, John A., and Eastman. 3,392,885.

Gale, John E.: *See*—
Burke, Charles A., Gale, and Basile. 3,374,639.

Gale, Ronald, to Norris Dispenser, Inc. Dispensing apparatus with movable supply sources. 3,396,869, 8–13–68, Cl. 221—116.

Gale, Vincent J.: *See*—
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Galedrige, John J. Pool table with ballast. 3,399,890, 9–3–68, Cl. 273—6.

Galegar, Robert R., to Phillips Petroleum Co. Sampling system. 3,369,405, 2–20–68, Cl. 73—421.

Galer, Richard E. to National Gypsum Co. Gaseous apparatus for cooling pulverulent material. 3,362,083, 1–9–68, Cl. 34—57.

Galgoczi, Bela, L. Demeter, I. Zagyvai, L. Soltesz, L. Sommer, M. Hercsel, and L. Raab, to Chemolimpex Magyar Vegyiaru Kulkereskedelmi Vallalat. Process for the preparation of aqueous solutions of flocculating agents of the poly-acrylic amide type having high molecular weight. 3,380,947, 4–30–68, Cl. 260—29.6.

Galiano, Francis R.: *See*—
Hill, Robert W., and Galiano. 3,402,219.

Galigher Co., The: *See*—
Crocheron, Volney D. 3,378,209.
Wright, Harold E. 3,381,617.

Galimberti, Gianfranco. Machine for internal applications and machining in an endless tubular article made up of a thermoplastic material or the like. 3,400,033, 9–3–68, Cl. 156—514.
Galimberti, James M., and D. G. Jones, to Kennametal Inc. Cutting insert. 3,383,748, 5–21–68, Cl. 29—95.
Galin, Robert, J. Miller, and V. G. Sharpe, to General Motors Corp. Prime moving system for clothes washer. 3,383,928. 5–21–68, Cl. 74—49.
Galinke, Joachim: *See*—
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Galis, Alex J. Tree harvester machine. 3,389,728, 6–25–68, Cl. 144—34.
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Pyles, Harley G., and Albright. 3,375,880.
Gall, Leroy C.: *See*—
Mead, Edward Q., Gall, Greening, and Hayes. 3,412,301.
Gall, Walter G., to E. I. du Pont de Nemours and Co. Benzo-bis-triazole polymers. 3,376,233, 4–2–68, Cl. 260—2.
Galla, Joseph J., and P. J. Williams, to Stewart-Warner Corp. Chair construction. 3,382,566, 5–14–68, Cl. 29—509.
Gallacher Ltd.: *See*—
Tughan, Victor D. 3,398,754.
Gallagher, Cornelius A., to Servo Corp. of America. Railroad-wheel operated control-signal generator. 3,396,271, 8–6–68, Cl. 246—249.
Gallagher, Donald C., L. W. Haerther, J. A. Middleton, and E. G. Tuthill, to Collins Radio Co. Wire antenna extensible along calibrated support means. 3,400,402, 9–3–68, Cl. 343—723.
Gallagher, Francis J. Model plane flight control device. 3,375,-605, 4–2–68, Cl. 46—77.
Gallagher, Frank J. Finger lock device. 3,408,657, 11–5–68, Cl. 2—159.
Gallagher, George A., to E. I. du Pont de Nemours and Co. Process for bonding ethylene copolymers to polyamide and cellulosic substrates. 3,366,508, 1–30–68, Cl. 117—138.8.
Gallagher, George A., to E. I. du Pont de Nemours and Co. Adhesive bonding of α-olefin hydrocarbon copolymers by intermediate coating of copolymers of halogenated unsaturated hydrocarbons and ethylene. 3,367,827, 2–6–68, Cl. 161—227.
Gallagher, Hayden E.: *See*—
Webb, James E. 3,367,114.
Gallagher, John P.: *See*—
Tonkin, Kenneth J., and Gallagher. 3,412,676.
Gallagher, John P. Medical-surgical tube. 3,373,735, 3–19–68, Cl. 128—2.
Gallagher, John P. Ventilated trousers. 3,397,407, 8–20–68, Cl. 2—227.
Gallagher, Leo. Apparatus for manipulating a source of radioactive material. 3,410,526, 11–12–68, Cl. 254—150.
Gallagher, Paul: *See*—
Dyer, Richard F., and Gallagher. 3,391,048.
Gallagher, Robert C., and R. P. Donovan, to Westinghouse Electric Corp. Bipolar transistor with field effect biasing means. 3,397,326, 8–13–68, Cl. 307—304.
Gallagher, William R.: *See*—
Hupp, Ross E., and Gallagher. 3,381,654.
Gallaher, Ellis A., Jr., to Air Reduction Inc. Catheter with cuff inflater and indicator. 3,407,817, 10–29–68, Cl. 128—351.
Gallaher Ltd.: *See*—
Stericker, John A. 3,391,699.
Gallaher, William H.: *See*—
Leadon, Bernard M., Carter, and Gallaher. 3,410,502.
Gallant, Melvin M.: *See*—
Hight, Hanford Z., Gallant, Shannon, and Loeffler. 3,419,-647.
Gallant, Raymond A., to General Motors Corp. Valve. 3,367,-354, 2–6–68, Cl. 137—108.
Gallant, Reginald R., to Olivetti Underwood Corp. Repeat spacing mechanism for typewriters. 3,417,848, 12–24–68, Cl. 197—82.
Gallant, Robert W., to The Dow Chemical Co. Preparation of halopropadienes. 3,364,271, 1–16–68, Cl. 260—654.
Gallant, Robert W., to The Dow Chemical Co. Isomerization process. 3,398,204, 8–20–68, Cl. 260—654.
Gallaway, William S., and F. L. Waska, to Beckman Instruments, Inc. Gain control for spectrophotometers. 3,369,447, 2–20–68, Cl. 88—14.
Gallaway, William S., and A. C. Seibel, to Beckman Instruments Inc. Flame ionization detector. 3,372,000, 3–5–68, Cl. 23—254.
Galle, Edward L.: *See*—
Young, Kenneth J., and Galle. 3,368,904.
Galle, Edward L., to The Pillsbury Co. Flour product and method of making. 3,397,067, 8–13–68, Cl. 99—93.
Galle, Edward L., R. M. Weiss, J. C. Olson, and R. G. Gidlow, to The Pillsbury Co. Process and apparatus for agglomerating and drying flour. 3,360,865, 1–2–68, Cl. 34—10.
Galle, Edward M., to Hughes Tool Co. Journal bearing. 3,361,-494, 1–2–68, Cl. 308—8.2.
Galle, Edward M., to Hughes Tool Co. Shock absorbing and static load supporting drill string apparatus. 3,382,936, 5–14–68, Cl. 175—321.
Galle, Edward M. Seal means for drill bit bearings. 3,397,-928, 8–20–68, Cl. 308—8.2.
Galle, Edward M., and H. B. Woods, to Hughes Tool Co. Drilling method and apparatus employing pressure variations in a drilling fluid. 3,405,770, 10–15–68, Cl. 175—56.
Gallen, Thomas J.: *See*—
Whitaker, Douglas C., and Gallen. 3,376,156.
Gallentine, Donal O., to General Dynamics Corp. Soldering apparatus and method for microelectronic circuits. 3,382,-564, 5–14–68, Cl. 29—471.1.
Galler, Gerald M., E. J. Porcelli, and L. L. Rakoczi, to General Electric Co. Apparatus for processing data records in a computer system. 3,409,880, 11–5–68, Cl. 340—172.5.
Galler, Sidney R. Thermal panel for determining the effects of various temperatures on fouling organisms. 3,392,575, 7–16–68, Cl. 73—61.2.
Galles, Charles E., to Hughes Aircraft Co. Motor control apparatus including sequential interval generating means for alternately enabling motor rotation in forward and reverse directions. 3,416,054, 12–10–68, Cl. 318—138.
Galles, Gilbert V. Support having slip ring conductor assembly. 3,389,366, 6–18–68, Cl. 339—7.
Galletta, Josef, to Kemex Mfg. Corp. Camera pose counter. 3,371,587, 3–5–68, Cl. 95—1.1.
Galletti, Bruno: *See*—
Falcone, Luigi, and Galletti. 3,374,198.
Galli, Guido, F. L. Morritz, and C. A. Wiley, to North American Rockwell Corp. Composite heteroepitaxial structure. 3,417,301, 12–17–68, Cl. 317—237.
Galli, Remo: *See*—
Minisci, Francesco, Belvedere, Galli, and Quilico. 3,366,-680.
Galli De Paratesi, Sergio, and C. Rinaldini, to European Atomic Energy Community-Euratom. Control rod system for nuclear power excursion reactors. 3,406,093, 10–15–68, Cl. 176—36.
Galli De Paratesi, Sergio, F. Genet, L. Ghiurghi, A. Agazzi, M. Morbello, and A. Brogg, to European Atomic Energy Community (Euratom). Liquid poison safety system for a nuclear reactor. 3,414,476, 12–3–68, Cl. 176—86.
Gallie, Daniel G.: *See*—
Heskestad, Gunnar, and Gallie. 3,387,647.
Gallie, Daniel G., to American Radiator & Standard Sanitary Corp. Fan having hollow blades. 3,414,188, 12–3–68, Cl. 230—120.
Galliers, Marshall W.: *See*—
Jones, Charles, and Galliers. 3,405,695.
Galliker, Walter, to Villiger Sohne A.G. Apparatus for continuously rolling cigar cores. 3,374,796, 3–26–68, Cl. 131—59.
Gallinger, Clyde T., to E. I. du Pont de Nemours and Co. Method for removing solid particulate materials from fused electrolytes. 3,400,060, 9–3–68, Cl. 204—60.
Gallo, Charles F., Jr., to Xerox Corp. Particle transfer. 3,414,-409, 12–3–68, Cl. 96—1.4.
Gallo, Izzilino. Device for anchoring covering strips or panels, in particular skirting boards, to a wall. 3,365,854, 1–30–68, Cl. 52—716.
Gallo, John F. Basket cap for glass washing machine. 3,413,-672, 12–3–68, Cl. 15—76.
Gallo, John, Sr. Fastener holder and driver. 3,379,231, 4–23–68, Cl. 145—52.
Gallo, Joseph. Packaging device for positioning a tubular type envelope over potted plants and similar articles. 3,360,-901, 1–2–68, Cl. 53—390.
Gallo, Joseph, Sr. Fire protection device for use with furrow valves. 3,363,640, 1–16–68, Cl. 137—272.
Gallo, Mario: *See*—
Wirth, Johannes, and Gallo. 3,411,347.
Gallogly, West H. Toilet flush valve. 3,401,716, 9–17–68, Cl. 137—414.
Gallois, Daniel: *See*—
Guestaux, Claude, and Gallois. 3,396,025.
Gallois, Jacques, and K. Kuhn, to Societe d'Etudes de Machines Thermiques. Devices for mounting cylinders in reciprocating engines. 3,382,858, 5–14–68, Cl. 123—193.
Gallone, Patrizio, and G. Trisoglio, to Oronzio de Nora Impianti Electtochimici, S.A.S. Method of protecting electrolytic cells. 3,409,519, 11–5–68, Cl. 204—99.
Gallotti, Carlo, to Elektro-Thermit G.m.b.H. Apparatus for removing excess welding material from rail welds. 3,398,-613, 8–27–68, Cl. 83—3.
Galloway Co.: *See*—
Galloway, Edwin J. 3,371,822.
Galloway, Edwin J., to Galloway Co. Bulk delivery, storage and dispensing apparatus for liquid ice cream mixes and the like. 3,371,822, 3–5–68, Cl. 222—95.
Galloway, Elizabeth H. Toy for forming bubbles. 3,395,481, 8–6–68, Cl. 46—6.
Galloway, John J. Structural block coating apparatus. 3,401,-669, 9–17–68, Cl. 118—121.
Gallus, Julius P.: *See*—
Fischer, Paul W., and Gallus. 3,402,137.
Gally, John, Jr.: *See*—
Kahl, William G., Jr., Gally, and Cavanaugh. 3,390,388.
Galmiche, Philippe, to Office National d'Etudes et de Recherches Aerospatiales (par abbreviation: O.N.E.R.A.). Methods of brazing. 3,417,460, 12–24–68, Cl. 29—473.1.
Galopin, Claude, to Compagnie Francaise Thomson-Hotchkiss Brandt. Automatic frequency control system with intermittent phase resetting means. 3,407,361, 10–22–68, Cl. 331—10.
Galster, Jon. Violin support. 3,372,614, 3–12–68, Cl. 84—280.
Galt Equipment Ltd.: *See*—
Foessl, John K. 3,367,131.

Galt, James C., and C. B. Lundsager, to E. I. du Pont de Nemours and Co. Method for producing square-mesh net structure. 3,384,692, 5–21–68, Cl. 264—167.
Galvin, Ralph B., to Stewart-Warner Corp. Burner recirculating chamber construction. 3,402,985, 9–24–68, Cl. 431—116.
Galvin, Thomas J., and F. A. Hughes, to Atlas Chemical Industries, Inc. Detergent compositions containing builders and a urea-olefine-sulfuric acid condensation product. 3,384,594, 5–21–68, Cl. 252—137.
Galvin, Thomas J., and F. S. Black, to Atlas Chemical Industries, Inc. Plant hormone carboxylic acid salt of an aminated polyoxyethylene aliphatic amine or aliphatic alcohol. 3,385,884, 5–28–68, Cl. 260—501.16.
Galvin, Thomas J., and F. A. Hughes, to Atlas Chemical Industries, Inc. Flocculating agent. 3,397,953, 8–20–68, Cl. 23—143.
Galy, Andre: *See*—
Micaud, Georges, and Galy. 3,362,817.
Gamage, Russell W. Rotary external combustion engines. 3,386,245, 6–4–68, Cl. 60—59.
Gamah Corp.: *See*—
Mahoff, George A. 3,370,870.
Gamard, Roland, to Antomobiles M. Berliet. Devices for controlling an equipment of wheeled vehicle as a function of variations in the condition of the suspension system of the vehicle. 3,415,535, 12–10–68, Cl. 280—124.
Gambaretto, Gianpaolo: *See*—
Trupiano, Roberto, and Gambaretto. 3,382,162.
Gambashidze, Galina M.: *See*—
Kasulin, Vyacheslav S., Babkin, Kalinina, and Gambashidze. 3,388,847.
Gambelunghi, Salvatore: *See*—
Brancato, Salvatore, and Gambelunghi. 3,408,998.
Gamberini, Goffredo, to American Machine & Foundry Co. Filter-tipped cigarette making machine. 3,363,632, 1–16–68, Cl. 131—94.
Gambill, Charles C., to General Motors Corp. Plug connected sensor for placement on surface heaters. 3,393,296, 7–16–68, Cl. 219—450.
Gambill, Ulysses T., and W. R. Thomas, to Owens-Corning Fiberglas Corp. Automobile headliner. 3,396,070, 8–6–68, Cl. 161—119.
Gamble, Burton L., to Continental Can Co., Inc. Method and apparatus for spot coating metal sheet. 3,419,418, 12–31–68, Cl. 117—111.
Gamble, Howard C.: *See*—
Shaw, Henry W., and Gamble. 3,370,125.
Gamble, John G., 33½ to Elton Industries, Inc. Electronic gas analyzer using paramagnetic properties of the gas to control electron flow. Re. 26,456, 9–17–68, Cl. 324—36.
Gamble, Richard B. Water jet propulsion device. 3,408,975, 11–5–68, Cl. 115—12.
Gamblin, Rodger L., and C. J. Tunis, to International Business Machines Corp. Variable weighted threshold element system. 3,395,395, 7–30–68, Cl. 340—172.5.
Gambrell, James B.: *See*—
Hovick, Jack H. 3,410,269.
Gambrell, Vernon C., R. H. Lawburgh, and L. E. Wuellner, to International Telephone and Telegraph Corp. Flaw detection apparatus. 3,379,829, 4–23–68, Cl. 178—6.8.
Gambs, Paul F. M. Hemispherical eye test perimeter with coupled test light spot and recording light projectors. 3,414,348, 12–3–68, Cl. 351—24.
Gamburd, Harold, and J. E. Walker, to Commac, Inc. Elapsed time recording device and method. 3,390,395, 6–25–68, Cl. 346—1.
Gamel, Gayne D., and J. D. Findley, Jr., to Westinghouse Electric Corp. Tripping means for high speed circuit interrupters. 3,381,247, 4–30–68, Cl. 335—6.
Gamer, Sven G. Y., to Stenberg-Flygt Aktiebolag. Device for aerating, preferably waste water. 3,416,776, 12–17–68, Cl. 261—122.
Games, Abram: *See*—
Brinkman, Georges F., and Games. 3,372,634.
Gamma, Inc.: *See*—
Kaercher, William C., Jr. 3,363,424.
Kaercher, William C., Jr. 3,371,495.
Gammans, William J.: *See*—
Hagemeyer, Hugh J., Gammans, and Robinson. 3,387,022.
Hagemeyer, Hugh J., Jr., and Gammans. 3,402,193.
Hagemeyer, Hugh J., Jr., Gammans, and Robinson. 3,390,115.
Gammel, Walter A., Sr., and J. A. Strobel, to G. T. Schjeldahl Co. Electrical connector. 3,366,919, 1–30–68, Cl. 339—176.
Gammill, Benny B.: *See*—
McNutt, Boyd W., and Gammill. 3,394,089.
Gammill, Edward L.: *See*—
Cluff, Harold E., Chapman, Roush, and Gammill. 3,362,256.
Gamper, Myrtha. Umbilical binder. 3,376,865, 4–9–68, Cl. 128—169.
Gamson, Bernard W.: *See*—
Brown, Robert J. S., and Gamson. 3,402,343.
Brown, Robert J. S., and Gamson. 3,402,344.
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Pappas, James J., and Gancher. 3,394,166.
Ganczak, Edward G.: *See*—
Moore, Wendell F., and Ganczak. 3,381,917.
Gander, Robert J., to Johnson & Johnson. Pressure-sprayable acrylate and methacrylate polymers soluble in propellent solvent. 3,413,254, 11–26–68, Cl. 260—33.2.
Gander, Robert J., to Johnson & Johnson. Pressurized composition for applying foamed dressings. 3,419,506, 12–31–68, Cl. 260—2.5.
Gandhi, Chimanlal N., and D. H. Holloway, to North American Philips Co., Inc. Solderless method for connecting and apparatus. 3,382,413, 5–7–68, Cl. 317—99.
Gandier, John C. C., to American Home Products Corp. Device for application of medicated liquids to treat skin of female quadrupeds. 3,366,111, 1–30–68, Cl. 128—260.
Gandilhon, Pierre: *See*—
Chabardes, Pierre J. A., Gandilhon, Grard, and Thiers. 3,414,600.
Gandolfo, Jean-Marie, to European Atomic Energy Community-(Euratom). Method and apparatus for determining the amount of leakage from chambers. 3,377,844, 4–16–68, Cl. 73—49.2.
Gandolfo, Peter F., and G. F. Russes, to Lewis Shepard Co. Delayed action switching device. 3,416,109, 12–10–68, Cl. 335—59.
Gandon, Louis: *See*—
Talet, Pierre, and Gandon. 3,395,072.
Gandy, Gerald C., and M. Salo, to Eastman Kodak Co. Preparation of carbon black dispersion for producing a high optical density of cellulose acetate film base. 3,376,149, 4–2–68, Cl. 106—193.
Gandy, Gerald C., and G. W. Pierce, to Eastman Kodak Co. Removable antihalation layers for photographic film. 3,392,022, 7–9–68, Cl. 96—84.
Gang, Herman, to Litton Business Systems, Inc. Multiplication control means. 3,367,568, 2–6–68, Cl. 235—60.
Gang, Herman, to Litton Business Systems, Inc. Division control means. 3,372,868, 3–12–68, Cl. 235—63.
Gangloff, Charles: *See*—
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Ganiaris, Neophytos, to Struthers Scientific and International Corp. Method of centrifugally separating ice crystals from an aqueous solution. 3,416,661, 12–17–68, Cl. 210—78.
Gannaway, Edwin L., and D. K. Iiams, to Copeland Refrigeration Corp. Means for inhibiting noise and slugging in refrigerant compressors. 3,387,774, 6–11–68, Cl. 230—232.
Gannoe, Thomas E., to Sylvania Electric Products, Inc. CRT face panel having article supporting studs therein. 3,379,913, 4–23–68, Cl. 313—85.
Gannoe, Thomas E., to Sylvania Electric Products, Inc. Method of making electrical contacts from strip stock. 3,382,575, 5–14–68, Cl. 29—630.
Gannoe, Thomas E., to Sylvania Electric Products Inc. Solder striping apparatus. 3,389,683, 6–25–68, Cl. 118—69.
Gannoe, Thomas E., to Sylvania Electric Products, Inc. Multiple segment array making. 3,391,456, 7–9–68, Cl. 29—625.
Gano, Robert D., to E. I. du Pont de Nemours and Co. Purification of chloroanilines by vacuum distillation with a chromate. 3,897,118, 8–13–68, Cl. 203—6.
Ganoe, Leo C., to Superior Pet Products, Inc. Simulated dogbone and method of making thereof. 3,368,528, 2–13–68, Cl. 119—29.
Ganowsky, Raymond J., to G. W. Lisk Co., Inc. Rotary solenoid. 3,419,831, 12–31–68, Cl. 335—228.
Gans, Eugene H., and H. M. Apelian, to Richardson-Merrell Inc. 3,388,041, 6–11–68, Cl. 167—82.
Gans, Francois: *See*—
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Gansser, Robert E.: *See*—
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Gantz, Emanuel. 3,391,783.
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Gant, Kenneth, and R. S. Wimbish. Article display package and method for constructing same. 3,362,529, 1–9–68, Cl. 206—45.34.
Gant, Orland J., Jr., B. F. Gibson, and W. C. Pritchett, to Atlantic Richfield Co. Epithermal neutron scintillation detector. 3,382,363, 5–7–68, Cl. 250—83.1.
Gant, Preston L., P. J. Manno, and K. Yang, to Continental Oil Co. Production of gaseous unsaturated hydrocarbons. 3,369,980, 2–20–68, Cl. 204—162.
Ganteaume T., Harry. Means and method for forming seedling beds. 3,380,538, 4–30–68, Cl. 172—701.
Gantert-Merz, Margaret. Table trimming. 3,368,601, 2–13–68, Cl. 150—52.
Gantt, James E.: *See*—
Witt, Paul A., and Gantt. 3,371,032.

Gantt, James E., to Universal Oil Products Co. Dehydrogenation of ethylbenzene to styrene. 3,402,212, 9–17–68, Cl. 260—669.

Gantz, Emanuel, to Gant Brushes Inc. Combination display package and storage and travel kit. 3,363,754, 1–16–68, Cl. 206—79.

Gantz, Emanuel, to Gant Brushes Inc. Combination display package and storage and travel kit. 3,391,783, 7–9–68, Cl. 206—78.

Gantz, George M., H. R. Mautner, and E. J. Black, to GAF Corp. Basic dye dyeing of polyacrylonitrile assisted by tributylphosphate and a phosphate ester of an ethylene oxide condensate. 3,416,877, 12–17–68, Cl. 8—55.

Gantzel, Peter K.: *See*—
Merten, Ulrich, and Gantzel. 3,415,038.

Gantzer, Charles J., to Sundstrand Corp. Combined fluid and mechanical drive. 3,365,981, 1–30–68, Cl. 74—687.

Gantzer, Charles J., to Sundstrand Corp. Axial piston hydraulic unit. 3,382,793, 5–14–68, Cl. 91—198.

Ganung, Robert B., and L. H. Huber, to National Can Corp. Plastic nozzle metal end closure assembly method. 3,397,824, 8–20–68, Cl. 222—570.

Ganz, Alexander J., to Hercules Inc. Protein-polymer complexes and process. 3,407,076, 10–22–68, Cl. 99—139.

Ganz, Alexander J., and G. C. Harris, to Hercules Inc. Freeze-thaw stable food products. 3,369,910, 2–20–68, Cl. 99—139.

Ganz, Henry, and H. J. Rossi, to Continental Can Co., Inc. Carton. 3,381,881, 5–7–68, Cl. 229—40.

Ganz, Robert H. Package forming machine. 3,367,086, 2–6–68, Cl. 53—48.

Ganz, Stephen F., and A. A. Hoffman, Jr., to Phillips Petroleum Co. Process and apparatus for the production of carbon black. 3,369,870. 2–20–68, Cl. 23—209.4.

Gaponov, Vasily A.: *See*—
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Gapp, Fritz, H. Margreiter, and E. Schmid, to Biochemie Gesellschaft mit beschränkter Haftung. Novel D-threo-1-phenyl-2-amino-propane-1,3-diol derivatives. 3,367,948, 2–6–68, Cl. 260—349.

Gapp, Fritz, J. Margreiter, and E. Schmid, to Biochemie Ges. m.b.H. Penicillanic acid derivatives. 3,383,383, 5–14–68, Cl. 260—239.1.

Gapp, Roland H., to Textron Industries, Inc. Die-draw blind rivet with deformable die and the method of setting same. 3,369,289, 2–20–68, Cl. 29—512.

Gar Precision Products, Inc.: *See*—
Palmer, Albert O. 3,398,442.

Garabedian, Armen. Method and apparatus for welding plastics. 3,383,265, 5–14–68, Cl. 156—272.

Garabedian, Edward. Molding apparatus with selected mold pivoting means. 3,380,512, 4–30–68, Cl. 164—341.

Garaboux, Andre. Web winding machine. 3,403,870, 10–1–68. Cl. 242—86.52.

Garamszegi, Charles. Electrical receptacle having zero potential until an electrical plug is positioned therein and including circuit breaker means. 3,370,141, 2–20–68, Cl. 200—115.5.

Garangiotis, Panagiotis M. Sliding closure for a pressurized beverage container. 3,363,798, 1–16–68, Cl. 220—41.

Garangiotis, Panagiotis M. Game apparatus with a game board, marbles and cards. 3,395,922, 8–6–68, Cl. 278—134.

Garavaglia, Arthur J., and E. A. Fox, to The Procter & Gamble Co. Method and material for hermetically sealing containers. 3,380,622, 4–30–68, Cl. 220—53.

Garbage Service Co.: *See*—
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Garbarini, Victor C., to Bell Telephone Laboratories, Inc. Electroetching an aluminum plated semiconductor in a tetraalkylammonium hydroxide electrolyte. 3,409,523, 11–5–68, Cl. 204—143.

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Garbark, Roman F., to D. Gottlieb & Co. Stepping mechanism for use in a pinball machine or the like. 3,390,255, 6–25–68, Cl. 235—92.

Garbati, Paolo. Apparatus for making panoramic photographs. 3,363,527, 1–16–68, Cl. 95—15.

Garbe, Dietmar R. Volumetric recorder with resilient loading on expandable bag. 3,363,260, 1–9–68, Cl. 346—72.

Garbe, George F. W., to The United States Time Corp. Balance wheel for horological instruments. 3,398,506, 7–28–68, Cl. 58—107.

Garber, Duane L.: *See*—
Wallace, Donald A., Kelley, Garber, Bottorff, and Lovejoy. 3,379,067.

Garber, John D.: *See*—
Wasserman, David, and Garber. 3,367,920.

Garber, John D., G. M. Ide, and F. M. Meigs, to Merck & Co., Inc. Polyurethanes made from diisocyanates of diamino carboxylic acid esters in leather treatment and the so treated leather. 3,374,051, 3–19–68, Cl. 8—94.21.

Garber, Thomas, D. E. Kelch, and N. H. MacNeil, to Hewlett-Packard Co. Pressure measuring apparatus. 3,376,735, 4–9–68, Cl. 73—80.

Garberi, Sergio: *See*—
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Garberi, Sergio, and G. Ricciardi, to Ing. C. Olivetti & C., S.p.A. Printing device for adding or like machines. 3,363,551, 1–16–68, Cl. 101—93.

Garbers, Ernst. Railway car moving device. 3,372,652, 3–12–68, Cl. 104—26.

Garbutt, John T., to Grain Processing Corp. Process of purifying glucoamylase. 3,380,892, 4–30–68, Cl. 195—31.

Garcia, Armando J.: *See*—
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Garcia, Bernardo G., Jr. Fishing rod holder and hook setting device. 3,410,015, 11–12–68, Cl. 43—15.

Garcia, Edward E.: *See*—
Fryer, Rodney I., Garcia, and Sternbach. 3,371,083.
Fryer, Rodney I., Garcia, and Sternbach. 3,371,084.

Garcia, Emilio C. Offshore marine structures. 3,375,669, 4–2–68, Cl. 61—46.5.

Garcia, Geronimo. Finger holder for cigarettes and the like. 3,375,833, 4–2–68, Cl. 131—258.

Garcia, Julian A., to International Telephone and Telegraph Corp. Method of assembly of resistor matrix. 3,393,449, 7–28–68, Cl. 29—626.

Garcia, Julian A., and J. H. Kasell, to International Telephone and Telegraph Corp. Compandor that supplies gain to the system. 3,406,357, 10–15–68, Cl. 333—14.

Garcia, Marcel. Device for threading tobacco leaves upon a needle. 3,365,082, 1–23–68, Cl. 214—5.5.

Garcia, Rafael V. Prosthetic limb having an elastic covering. 3,400,408, 9–10–68, Cl. 3—26.

Garcia, Thomas, L. G. Vance, Jr., and L. H. Maschhoff, to United States of America, Navy. Method and means for removing an opaque film of atmospheric particles from before the lens of a camera. 3,370,519, 2–27–68, Cl. 95—11.

Garde, Albert J.: *See*—
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Hanlon, George A., and Garde. 3,406,514.

Garde, Lawrence, to General Electric Co. Shaper for producing uniform rectangular pulses from variously shaped signals. 3,368,153, 2–6–68, Cl. 328—164.

Gardel, Robert, and E. Gorsky. Doll head support mechanism. 3,394,494, 7–30–68, Cl. 46—237.

Gardel, Robert, and E. Gorsky, to Lettam, Inc. Doll eye control mechanism. 3,404,483, 10–8–68, Cl. 46—135.

Gardel, Robert, and E. Gorsky. Sound producing device for a toy figure. 3,413,756, 12–3–68, Cl. 46—117.

Gardella, John M.: *See*—
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Gardella, Joseph. Adjustable jacket for mold used in foundries. 3,402,759, 9–24–68, Cl. 164—396.

Garden, Kenneth S. Vacuum bottle holder for vehicle seats. 3,391,891, 7–9–68, Cl. 248—311.

Garden, Kenneth S. Caution cap and key therefor. 8,405,827, 10–15–68, Cl. 215—9.

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Fleicher, Donald W., Garden, and Hamilton. 3,387,224.

Garden State Paper Co., Inc.: *See*—
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Illingworth, Robert H. 3,392,083.

Garden, William D., and J. Smith, to Imperial Chemical Industries Ltd. Anti-static nitrocellulose lacquers. 3,401,047, 9–10–68, Cl. 106—186.

Gardenghi, Robert A., to Westinghouse Electric Corp. Solid state high frequency power amplifier. 3,406,352, 10–15–68, Cl. 330—31.

Gardere, Henri. Device for adjusting the gain or attenuation of an electric wave. 3,363,188, 1–9–68, Cl. 328—158.

Gardes, Walter F., to The Dow Chemical Co. Apparatus for measuring charge condition within a solution. 3,368,144, 2–6–68, Cl. 324—32.

Gardi, Rinaldo: *See*—
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Ercoli, Alberto, and Gardi. 3,419,550.
Ercoli, Alberto, and Gardi. 3,419,582.

Gardikes, John J.: *See*—
Wynstra, John, and Gardikes. 3,397,254.

Gardikes, John J., and M. Matzner, to Union Carbide Corp. Non-crystallizable copolycarbonate/urethane resins prepared from 2,2,4,4-tetraalkyl-1,3-cyclobutanediol and a piperazine. 3,402,150, 9–17–68, Cl. 260—77.5.

Gardiner, Ernest E.: *See*—
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Gardiner, John B.: *See*—
Hunter, Edward A., and Gardiner. 3,379,589.

Gardiner, Ralph G., and J. L. Reimers, to FMC Corp. Container orienting mechanism. 3,403,771, 10–1–68, Cl. 198—33.

Gardiner, Roy W., M. Panich, and N. J. Yager, to Bailey Meter Co. Pneumatic servomotor having force beam input and spring type feedback. 3,404,604, 10–8–68, Cl. 91—47.

Gardiner, William C.: *See*—
Cooper, Roy M., Gardiner, and Newberry. 3,390,070.

Gardiner, William P. Switch with magnetically controlled inner rotating and reciprocating element. 3,402,376, 9–17–68. Cl. 335—207.

Gardner, Alvin L.: *See*—
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Gardner, August M.: *See*—
Blaly, Edward W., and Gardner. 3,381,641.

Gardner, Charles H.: *See*—
Gore, James H., Reisman, and Gardner. 3,402,104.

Gardner, Charles V.: *See*—
Fratila, Romulus, and Gardner. 3,386,055.

Gardner, Charles W., to Caterpillar Tractor Co. Loader bucket with positive side ejector. 3,407,952, 10–29–68, Cl. 214—767.

Gardner, Clayton H., and B. R. Vogeli. Pneumatic seat belt. 3,391,961, 7–9–68, Cl. 297—388.

Gardner, Cyril, and J. F. Prescott, to Imperial Chemical Industries Ltd. Oxidation of cyclohexane. 3,365,491, 1–23–68, Cl. 260—533.

Gardner, Delbert J., to The Bendix Corp. Master cylinder warning device. 3,411,133, 11–12–68, Cl. 340—60.

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Baker, William J., and Boeger. 3,384,200.
Harms, William J. 3,391,440.
Stillwagon, George B., Jr. 3,392,767.

Gardner, Fred W. Power distributing system. 3,408,502, 10–29–68, Cl. 307—29.

Gardner, Frederick H., and F. Pankotay, to Stromberg-Carlson Corp. Solid state temperature control circuit. 3,413,438, 11–26–68, Cl. 219—210.

Gardner, George R., to Aluminum Co. of America. Method and apparatus for continuous casting of ingots. 3,381,741, 5–7–68, Cl. 164—73.

Gardner, Gerald H. F., to Gulf Research & Development Co. Method and apparatus for drilling wells with eccentric jet drills. 3,419,091, 12–31–68, Cl. 175—67.

Gardner, Gerald I.: *See*—
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Gardner, Harry I. Traffic safety deflectors. 3,363,521, 1–16–68, Cl. 94—1.

Gardner, Herbert M., ½ to T. H. & J. Daniels Ltd. Control for plunger in transfer moulding presses. 3,391,425, 7–9–68, Cl. 18—30.

Gardner, Howard P., and B. G. Roberts, to Accurmatic Corp. Rotational attitude indicator. 3,383,772, 5–21–68, Cl. 33—207.

Gardner, Hugh B.: *See*—
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Burkard, Herbert G., Kresge, and Gardner. 3,388,977.

Gardner, J. A., Importing Co., Inc.: *See*—
Gardner, James W. 3,366,077.

Gardner, Jack H., and G. A. Crowe, to Johnson & Johnson. Dressing. 3,399,672, 9–3–68, Cl. 128—156.

Gardner, James W., to J. A. Gardner Importing Co., Inc. Method and apparatus for making novelty candy product. 3,366,077, 1–30–68, Cl. 107—1.

Gardner, Jimmie S. Railroad car bulk cargo door. 3,382,909, 5–14–68, Cl. 160—201.

Gardner, John B.: *See*—
Harper, Billy G., Gardner, and Pickle. 3,365,430.

Gardner, John B., B. G. Harper, and W. S. Pickle, to The Dow Chemical Co. Moldable polysulfones. 3,386,971, 6–4–68, Cl. 260—79.3.

Gardner, John B., and B. G. Harper, to The Dow Chemical Co. Copolymers of sulfur dioxide and allylthioureas. 3,386,972, 6–4–68, Cl. 260—79.3.

Gardner, John B., C. F. Smith, and B. G. Harper, to The Dow Chemical Co. Simultaneous polymerization of a plurality of monomer streams in a single reactor using ionizing radiation. 3,414,499, 12–3–68, Cl. 204—159.22.

Gardner, John F., M. H. Lustig, and A. A. Lux, to Xerox Corp. Document handling system. 3,419,264, 12–31–68, Cl. 271—68.

Gardner, John N., and H. L. Herzog, to Schering Corp. Acetylation of steroidal alcohols with ketene. 3,374,230, 3–19–68, Cl. 260—239.55.

Gardner, Joseph C., to United States of America, Navy. Multimode IFF system. 3,368,219, 2–6–68, Cl. 343—6.5.

Gardner, Lawrence D., to Bell Telephone Laboratories, Inc. High speed vacuum chuck. 3,389,682, 6–25–68, Cl. 118—52.

Gardner, Lloyd E., to Phillips Petroleum Co. Hydrofluorination and dehydrofluorination and catalysts therefor. 3,413,360, 11–26–68, Cl. 260—653.4.

Gardner, Mark B., to Bell Telephone Laboratories, Inc. Automatic equalization of noise levels in conference telephony. 3,363,061, 1–9–68, Cl. 179—1.

Gardner, Raymond W., to Shelly Associates, Inc. Based lamp mounting. 3,393,398, 7–16–68, Cl. 339—157.

Gardner, Robert L.: *See*—
Drica-Minieris, Oswald A., and Gardner. 3,388,025.

Gardner, Roland E.: *See*—
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Gardner, Stewart E. Extendable portable house. 3,360,891, 1–2–68, Cl. 52—69.

Gardner, Thomas A. Pocket ventilator for web drying equipment. 3,388,479, 6–18–68, Cl. 34—15.

Gardner, Weldon J.: *See*—
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Gardner, Weldon J., to Vesuvius Crucible Co. Nozzle for a bottom pour ladle for molten metal. 3,395,840, 8–6–68, Cl. 222—566.

Gardner, William L., to The Bendix Corp. Method of making a vitreous off-axis light filter. 3,380,817, 4–30–68, Cl. 65—3.

Gardon, John L., M. Kalandiak, and La V. N. Bauer, to Rohm & Haas Co. Pigmented compositions. 3,413,255, 11–26–68, Cl. 260—33.6.

Gardy, Thomas A. Foul-proof anchor. 3,404,652, 10–8–68, Cl. 114—208.

Gareis, Ronald E.: *See*—
Chausse, Burnette P., and Gareis. 3,363,247.

Gareis, Ronald E., and C. E. Konrad, to General Electric Co. Identification system. 3,363,246, 1–9–68, Cl. 343—6.5.

Garetto, Giuseppe, and C. Cancianl, to Rhodiatoce S.p.A. Method of precipitating and forming granules from cellulose esters. 3,414,640, 12–3–68, Cl. 264—13.

Garfinkel, Harmon M.: *See*—
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Garfunkel, James H., and G. W. Spence, to Honeywell Inc. Radiation detecting apparatus with self-check. 3,396,386, 8–6–68, Cl. 340—409.

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Garibian, Sarkis K., W. L. Campbell, and W. R. Hocutt, to Monsanto Co. Filament orientation process. 3,364,294, 1–16–68, Cl. 264—290.

Garig, Henry H. Vibration monitors. 3,419,690, 12–31–68, Cl. 200—61.45.

Garin, Henry F.: *See*—
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Garis, Gordon O., and R. F. Roettger, to Raygo, Inc. Soil compacting machine. 3,395,626, 8–6–68, Cl. 94—50.

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Scheiber, Werner, and Garkisch. 3,380,896.

Garland, Charles, to Sun Shipbuilding & Dry Dock Co. Buoyant device. 3,407,417, 10–29–68, Cl. 9—8.

Garland, Milton W., to Frick Co. Method and apparatus employing two stages refrigerant for solidifying a gaseous component. 3,381,486, 5–7–68, Cl. 62—12.

Garland-Rood Research and Development Co.: *See*—
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Garland Steel Co.: *See*—
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Garland, Theodore F. Material cleaning apparatus. 3,387,709, 6–11–68, Cl. 209—458.

Garland, Theodore F. Material cleaning apparatus. 3,411,627, 11–19–68, Cl. 209—427.

Garland, Thomas N., 5% to M. Higgenbothom, 10% to E. A. Christensen, 1% each to R. E. Wallace and W. B. Siebert, and an undivided 20% to E. L. Spangler, M. L. Symore, and E. L. Brown, Jr. Scrap metal press. 3,377,946, 4–16–68, Cl. 100—98.

Garling, Lawrence A. Alarm circuit. 3,383,673, 5–14–68, Cl. 340—274.

Garling, Richard A., W. R. Hausch, and C. W. Thomas, to The Firestone Tire & Rubber Co. Method of treating a plastisol composition containing an epoxy resin adhesive. 3,383,337, 5–14–68, Cl. 260—2.5.

Garlinghouse Brothers, Inc.: *See*—
Garlinghouse, Leslie H. 3,414,312.

Garlinghouse, Leslie H., to Garlinghouse Brothers, Inc. Module concrete handling buckets. 3,414,312, 12–3–68, Cl. 294—71.

Garlock Inc.: *See*—
Buckley, Frederick H., and Langyel. 3,376,014.
Donroe, William E. 3,376,055.
Fisher, Edward W. 3,363,918.
Fisher, Edward W. 3,379,445.
Genz, Orville F. 3,366,425.
Watson, Richard W. 3,403,595.

Garmhausen, Thomas A.: *See*—
Schroeer, Rudi M., and Garmhausen. 3,369,389.

Garmon, Ivan E.: *See*—
Elfstrom, Wallace, and Garmon. 3,366,232.

Garms, David C.: *See*—
Bearden, Charles R., Swisher, and Garms. 3,404,106.
Bearden, Charles R., Swisher, and Garms. 3,404,107.

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Lindmayer, Joseph W., Garnache, and Casey. 3,409,482.

Garnache, Richard R., and F. L. Vogel, Jr., to Sprague Electric Co. S-M-S device with partial semiconducting layers. 3,375,418, 3–26–68, Cl. 317—235.

Garner, Albert Y., to Monsanto Research Corp. (Carboxymethyl)ammonium phosphonates. 3,415,905, 12–10–68, Cl. 260—924.

Garner, Gaither B. Refrigeration system with means for controlling oil return. 3,379,030, 4–23–68, Cl. 62—192.

Garner, Harold, A. J., and N. Rosenstein, to Spunize Co. of America, Inc. Crimped roving or sliver. 3,367,101, 2–6–68, Cl. 57—140.

Garner, Oscar G., to General Cable Corp. Payoff stand. 3,371,878, 3–5–68, Cl. 242—45.

Garner, Oscar G., to General Cable Corp. Dual insulated telephone wire. 3,378,628, 4–16–68, Cl. 174—112.

Garner, Oscar G., to General Cable Corp. Shielded electrical cable. 3,379,821, 4–23–68, Cl. 174—36.

Garner, Philip L., and N. Fuschillo, to Melpar, Inc. Method of making tunnel diode. 3,375,143, 3–26–68, Cl. 148—1.5.

Garnero, Anthony L., to Central Mfg. District. Method of fabricating panels of expanded perlite. 3,418,403, 12–24–68, Cl. 264—91.

Garnett, Donald W., to The Olofsson Corp. Weigher head. 3,369,620, 2–20–68, Cl. 177—229.

Garnett, Edward V. Outriggers. 3,365,214, 1–23–68, Cl. 280—150.5.

Garnett, Edward V., to Eaton Metal Products Co. Reel trailer. 3,379,392, 4–23–68, Cl. 242—86.5.

Garnett, Edward V. Extension ladders. 3,385,398, 5–28–68, Cl. 182—46.

Garnett, Edward V. Power ladder and safety device for workman's basket. 3,396,814, 8–13–68, Cl. 182—2.

Garnett, James R., to United States of America, Navy. Power supply apparatus converting D.C. to stepped wave for approximating a sine wave. 3,374,414, 3–19–68, Cl. 321—5.

Garnett, Willard R.: *See*—
Quin, Murray L., and Garnett. 3,372,270.

Garnier, Andre, to Societe Siersatom. Apparatus for testing the radioactivity of air. 3,410,059, 11–12–68, Cl. 55—270.
Garnier, Georges, to Roto-Diesel. Injection pumps. 3,396,710, 8–13–68, Cl. 123—139.
Garnier, Michel R.: *See*—
Bauger, Louis J., Bouiller, Garnier, and Lacroix. 3,391,-540.
Garnier, Michel R., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Axial-flow compressor with two contra-rotating rotors. 3,363,831, 1–16–68, Cl. 230—123.
Garnier, Michel R., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Contra-rotating compressors. 3,379,366, 4–23–68, Cl. 230—115.
Garnier, Michel R., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Gas turbine engines having contra-rotating compressors. 3,385,509, 5–28–68, Cl. 230—116.
Garnish, Edward W., to Ciba Ltd. Epoxide resin acid anhydride compositions containing a hydroxyalkylated aromatic amine accelerator. 3,403,131, 9–24–68, Cl. 260—47.
Garnjost, Kenneth D.: *See*—
Ballard, John S., Garnjost, Hague, Moog, and Treff. 3,405,600.
Garnjost, Kenneth D., to Moog Inc. Apparatus for regulating fluid flow with respect to a hydraulic load. 3,398,650, 8–27–68, Cl. 91—421.
Garno, John P., and C. A. Nanney, to Bell Telephone Laboratories, Inc. Method of making low resistance ohmic contact to P-type lead telluride. 3,364,079, 1–16–68, Cl. 136—237.
Garoff, Kenton, to United States of America, Army. Modified traveling wave tube. 3,382,399, 5–7–68, Cl. 315—3.5.
Garon, Robert J.: *See*—
Jensen, Raymond W., and Garon. 3,368,556.
Garoutte, Kurt F., to United States of America, Army. Test firing missile. 3,388,668, 6–18–68, Cl. 102—87.
Garrahan, Norman M., to United States of America, National Aeronautics and Space Administration. Solid state pulse generator with constant output width, for variable input width, in nanosecond range. 3,383,524, 5–14–68, Cl. 307—265.
Garrahan, Richard: *See*—
Collins, Frederick R., Jr., Curran, and Garrahan. 3,364,-960.
Garrard, Bruce. Gas and liquid admixing system. 3,394,847, 7–30–68, Cl. 222—56.
Garrard Engineering Ltd. (formerly The Garrard Engineering and Mfg. Co. Ltd.): *See*—
Rowland, Eric, and Wilkins. 3,387,361.
Garratt-Callahan Co.: *See*—
Franz, Herman J. 3,373,756.
Garraway, George H. Combined turbojet and turboprop engine. 3,387,457, 6–11–68, Cl. 60—224.
Garreau, Georges H.: *See*—
Garreau, Jean E. and G. H. 3,411,832.
Garreau, Jean E. and G. H. Pneumatic spraying machines. 3,411,832, 11–19–68, Cl. 302—53.
Garretson, Aline L.: *See*—
Marsh, William S., Garretson, and Rao. 3,372,090.
Garretson, Craig M. Crossed field electron tube having input and output cavities and drift region defined by a pair of high conductivity non-magnetic plates. 3,379,921, 4–23–68, Cl. 315—5.35.
Garretson, Eldridge R., W. S. Spurr, and C. L. Ward, to The Molded Glass Co. Concrete form stripping valve. 3,374,983, 3–26–68, Cl. 249—205.
Garrett, Ben B. Sewer pipe joint. 3,394,952, 7–30–68, Cl. 285—236.
Garrett, Carlos J., Jr., and R. D. Hottenstine, to Combustion Engineering, Inc. Safety system for steam generator. 3,415,-232, 12–10–68. Cl. 122—448.
Garrett, Charles G. B., to Bell Telephone Laboratories, Inc. Infrared laser beam detection utilizing a cavity resonator. 3,407,297, 10–22–68, Cl. 250—83.3.
Garrett, Clarence E., to Ashland Oil & Refining Co. Method and apparatus for collecting and treating carbon black. 3,411,929, 11–19–68, Cl. 106—307.
Garrett, Clarence L. Multipurpose tool for use by golfers. 3,364,508, 1–23–68, Cl. 7—16.
Garrett Corp., The: *See*—
Balcom, Orville R., Jr. 3,375,771.
Cazier, John M. 3,383,092.
Chapman, James E. 3,391,966.
Cluff, Harold E., Chapman, Roush, and Gammill. 3,362,256.
Genco, Frank. 3,391,885.
Hardy, James A., and Cholvin. 3,389,553.
Hayden, Howard L., and Tobin. 3,390,491.
Kelley, Archibald P., and Norman. 3,407,603.
Kinsell, Robert C. 3,404,538.
Kratzer, Blair S., and Rosin. 3,367,633.
Kumm, Emerson L. 3,370,635.
Ludwig, Walter F. 3,375,663.
Marley, David J. 3,375,046.
Marley, David J. 3,382,014.
Phillips, Thomas W. 3,365,121.
Roush, Milton S. 3,399,058.
Silver, Alexander, and Marley. 3,366,427.
Terp, Leslie S. 3,367,255.
Townsend, Richard W., and Rowland. 3,367,256.
Watson, Harold, and Wickson. 3,363,164.
Wirt, Leslie S. 3,374,856.
Garrett, Donald E., to Garrett Research & Development Co. Process for the preparation of anhydrous aluminum chloride. 3,361,520, 1–2–68, Cl. 23—93.
Garrett, Donald E., J. A. Hermann, M. B. Goren, and A. E. Meyer. Potassium chloride recovery from potash ores using submerged combustion heating. 3,402,025, 9–17–68, Cl. 23—312.
Garrett, Dwight A., to Garrett Enumclaw Co. Twin-pivot articulating-frame wheeled vehicle. 3,367,437, 2–6–68, Cl. 180—51.
Garrett, Edward O., Jr., and P. M. Noble, to Westinghouse Air Brake Co. Railway car retarder braking apparatus. 3,403,752, 10–1–68, Cl. 188—62.
Garrett, Elmer E. Magnetic tape device with flexible head mounting and moving means. 3,372,242, 3–5–68, Cl. 179—100.2.
Garrett Enumclaw Co.: *See*—
Garrett, Dwight A. 3,367,437.
Garrett, Henry U.: *See*—
Garrett, Henry U., Peters, and Dinning. 3,410,346.
Garrett, Henry U. Gas lift apparatus and system. 3,372,650, 3–12–68, Cl. 103—233.
Garrett, Henry U. Well apparatus and method. 3,386,391, 6–4–68, Cl. 103—233.
Garrett, Henry U., C. M. Peters, and R. W. Dinning, to H. U. Garrett. Well apparatus. 3,410,346, 11–12–68, Cl. 166—53.
Garrett, Howard R.: *See*—
Austin, Clarence G., Jr., and Garrett. 3,377,928.
Austin, Clarence G., Jr., and Garrett. 3,385,479.
Austin, Clarence G., Jr., and Garrett. 3,411,745.
Austin, Clarence G., Jr., Garrett, and King. 3,364,826.
Duddleston, James M., and Garrett. 3,383,829.
Garrett, Howard R., to Haskon, Inc. Filling and sealing machine. 3,411,267, 11–19–68, Cl. 53—266.
Garrett, Jerry A., to E. I. du Pont de Nemours and Co. Process for preparing smooth surface fabrics. 3,388,965, 6–18–68, Cl. 8—130.1.
Garrett, Jim C., and R. H. Johnson. Gauge nest. 3,378,145, 4–16–68, Cl. 211—60.
Garrett, Jim C., and J. Shelton. Magnetic aisle cord. 3,408,-771, 11–5–68. Cl. 49—34.
Garrett, Kenneth J., to Humphrey Thompson Enterprises Ltd. Temporary windshield. 3,411,562, 11–19–68, Cl. 160—327.
Garrett, Michael E., to The British Oxygen Co. Ltd. Gas liquefier. 3,364,697, 1–23–68, Cl. 62—514.
Garrett, Michael E., and D. A. Webber, to The British Oxygen Co. Rearrangement of flow thru serial adsorbers to remove gaseous constituents. 3,377,812, 4–16–68, Cl. 62—18.
Garrett Research & Development Co.: *See*—
Garrett, Donald E. 3,361,520.
Garrett, Richard M.: *See*—
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Garrett, Robert R., to E. I. du Pont de Nemours and Co. Chloroprene polymer cements. 3,394,099, 7–23–68, Cl. 260—38.
Garrett, Roger E., to The Regents of the University of California. Lettuce harvester. 3,380,234, 4–30–68, Cl. 56—327.
Garrett, Roger E., to The Regents of the University of California. Lettuce harvester. 3,380,237, 4–30–68, Cl. 56—327.
Garrett, Walter L., to The Dow Chemical Co. Electrophotographic method of preparing etchable printing plates. 3,368,893, 2–13–68, Cl. 96—1.
Garrett, Walter L., to The Dow Chemical Co. Process for stabilizing phenolic foam with alkylene oxide and product obtained therefrom. 3,389,095, 6–18–68, Cl. 260—2.5.
Garrett, Walter L., and H. H. Roth, to The Dow Chemical Co. Method for making porous polyurethane foams. 3,405,-216, 10–8–68, Cl. 264—321.
Garrett, Walter L., and H. H. Roth, to The Dow Chemical Co. Method for making open cell polyurethane foams. 3,405,-217, 10–8–68, Cl. 264—321.
Garrett, Wayne C.: *See*—
Freedlander, Abraham L., Garrett, and Matthews. 3,389,-541.
Freedlander, Abraham L., Garrett, and Matthews. 3,398,-517.
Garrett, William C. Hat brim trimming machine. 3,367,546, 2–6–68, Cl. 223—16.
Garrett, William C. Article counting machine with automatic control of discharge assistant. 3,384,269, 5–21–68, Cl. 221—201.
Garrett, William R., to Smith Industries International, Inc. Telescopic joint having means for signalling when the joint is extended. 3,410,355, 11–12–68, Cl. 175—40.
Garriga, Jaime S. Packing case. 3,396,867, 8–13–68, Cl. 220—97.
Garringtons Ltd.: *See*—
Lees, Joseph. 3,418,874.
Garrison, Earl R. Cab-over telescopic camper. 3,397,004, 8–13–68, Cl. 296—23.
Garrison, George R.: *See*—
Triplett, William C., and Brauer. 3,410,347.
Garrison, Harry F. Hot and cold water mixing faucet. 3,380,-478, 4–30–68, Cl. 137—625.41.
Garrison, Jack W., to United States Gypsum Co. Apparatus for forming fibers. 3,372,014, 3–5–68, Cl. 65—15.
Garrison, Jerry W., to Bliss & Laughlin Industries Inc. Spring-retained tube-mounted caster. 3,365,270, 2–20–68, Cl. 16—18.
Garrison, Joe K., W. Engels, and C. V. Jones, Sr., to Southern Machinery Co. Ring rail lowering mechanism having overload slip clutch. 3,400,791, 9–10–68, Cl. 192—12.

Garrison, Larry G.: *See*—
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Garrison, Richard D. Fence post end sharpener. 3,403,710, 10–1–68, Cl. 144—30.
Garrison, William E., and T. J. Hyde, to E. I. du Pont de Nemours and Co. Plasticized polylactams containing cyclic saturated sulfone. 3,361,697, 1–2–68, Cl. 260—30.2.
Garritsen, Johan W., to Stamicarbon N.V. Preparation of lactams from cycloaliphatic ketoximes. 3,365,443, 1–23–68, Cl. 260—239.3.
Garritsen, Johan W., to Stamicarbon N.V. Preparation of ω-laurinolactam. 3,404,148, 10–1–68, Cl. 260—239.3.
Garritsen, Johan W., and J. A. Bigot, to Stamicarbon N.V. Preparation of ω-laurinolactam. 3,389,134, 6–18–68, Cl. 260—239.3.
Garrity, George L., to North American Rockwell Corp. Aluminum alloy workpieces. 3,392,568, 7–16–68, Cl. 72—364.
Garry, Gerald A., to International Business Machines Corp. Distortion correction system for flying spot scanners. 3,403,289, 9–24–68, Cl. 315—24.
Garside, David W., to Rolls-Royce Ltd. Compound rotary piston type internal combustion engine. 3,371,654, 3–5–68, Cl. 123—8.
Garske, Friedrich, to J. P. Bemberg, Aktiengesellschaft. Apparatus for the beaming and winding of thread bolts and material webs. 3,375,992, 4–2–68, Cl. 242—75.51.
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Gartin, John L., to FMC Corp. Carton feeding and forming apparatus. 3,403,606, 10–1–68, Cl. 93—44.1.
Gartland, Albert J., Jr., to General Electric Co. Pushbutton switch with improved detent plunger retaining means. 3,384,721, 5–21–68, Cl. 200—5.
Gartner, Edward A.: *See*—
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Gartner, Frank, to Rayonier Inc. Lumber receiving apparatus. 3,388,784, 6–18–68, Cl. 198—35.
Gartner, Henry C., to Acme Process Equipment Co. Lauter tub. 3,395,635, 8–6–68, Cl. 99—275.
Gartner, Karlheinz, and E. Lorch, to Messrs. Automation fur Graphische Technik G.m.b.H. Method of joining sets of stacked, superimposed sheets, and apparatus for applying joining strips. 3,387,542, 6–11–68, Cl. 93—1.
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Chagnon, Paul L., Gartner, and Jankowski. 3,379,357.
Gartner, Stanley J., to Sylvania Electric Products, Inc. Assembling machine and method. 3,377,679, 4–16–68, Cl. 29—25.16.
Gartner, William J., to De Soto, Inc. Fireproof container. 3,408,966, 11–5–68, Cl. 109—74.
Garton, Albert M., to Philip Morris Inc. Adjustable filter rod forming plate assembly. 3,380,352, 4–30–68, Cl. 93—1.
Gartrell, John T., to Kaiser Aluminum & Chemical Corp. Process for porcelain enameling and forming sheet metal. 3,412,589, 11–26–68, Cl. 72—46.
Gartside, Roger H., to The Pannier Corp. Automatic tag feeding machine. 3,364,723, 1–23–68, Cl. 72—405.
Garty, Kenneth T., and T. B. Gibb, Jr., to Union Carbide Corp. Polymers of aryl epoxy ethers. 3,392,145, 7–9–68, Cl. 260—47.
Garty, Kenneth T., and T. B. Gibb, Jr., to Union Carbide Corp. Polymerization of oxirane monoepoxides using an organometallic compound with a phenol as cocatalysts. 3,398,119, 8–20–68, Cl. 260—47.
Garty, Kenneth T., and T. B. Gibb, Jr., to Union Carbide Corp. Polymerization of oxirane monoepoxides using an organometallic compound with water as cocatalysts. 3,399,149, 8–27–68, Cl. 260—2.
Garver, Oscar W., F. E. Ullman, C. H. Stettler, and H. W. Kopp, to Grotnes Machine Works, Inc. Welding machine having provision for precise positioning of workpieces processed at high production speeds. 3,368,056, 2–6–68, Cl. 219—80.
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Kunkle, John P., Garver, and Dell. 3,417,364.
Garver, William J., and M. A. O'Hanlan, Jr., to AMP Inc. Socket for spaced contacts of tublar members. 3,363,217, 1–9–68, Cl. 339—51.
Garvey, Francis J., to Garvey Products Corp. Shear blade grinding machine. 3,368,310, 2–13–68, Cl. 51—100.
Garvey, Joseph L. Guide means. 3,398,566, 8–27–68, Cl. 72—250.
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Garvin, Alex J., to Superpack Vending (Curacao) N.V. Method and apparatus for capping containers of unstable dimensions. 3,401,498, 9–17–68, Cl. 53—41.
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Garwin, Richard L., A. S. Nowick, and D. P. Seraphim, to International Business Machines Corp. Method of making superconductor wires. 3,370,347, 2–27–68, Cl. 29—599.
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Myers, Claude G., Rope, and Garwood. 3,384,572.
Gary, Alvin C. Signal device. 3,363,600, 1–16–68, Cl. 116—28.
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Gary Tool Inc.: *See*—
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Garzia, Aldo, to Istituto Chemioteropico Italiana S.p.A. Method of treatment comprising administration of sorbitol-furfural condensation product and pharmaceutical composition including said condensation product. 3,383,279, 5–14–68, Cl. 167—55.
Garzon, Ruben, to I-T-E Circuit Breaker Co. Circuit control relay utilizing capacitor and SCR means. 3,397,350, 8–13–68, Cl. 317—142.
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Gasbarra, Anthony J., and A. J. Godshalk, to Bennett Industries, Inc. Plastic container. 3,371,817, 3–5–68, Cl. 220—40.
Gasche, Fred, to Autoclave Engineers, Inc. Resilient coupling. 3,398,978, 8–27–68, Cl. 285—187.
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Gasparac, Rudolph J., and A. P. Szaj, to Nordberg Mfg. Co. Feeders for crushers and the like. 3,384,215, 5–21–68, Cl. 193—3.
Gasparini, Francis A., to Westinghouse Electric Corp. Vending machine with separately acting, series, article releasers. 3,362,582, 1–9–68, Cl. 221—298.
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Gassino, Teresio, to Ing. C. Olivetti & C., S.p.A. Mechanical storing device for storing information coded according to a binary code. 3,363,837, 1–16–68, Cl. 235—123.
Gassino, Teresio, to Ing. C. Olivetti & C., S.p.A. Program control device for a calculating or like machine. 3,370,788, 2–27–68, Cl. 235—62.
Gassino, Teresio, to Ing. C. Olivetti & C. S.p.A. Soundproof cover for an office machine. 3,390,929, 7–2–68, Cl. 312—208.
Gassino, Teresio, and B. Azzalin, to Olivetti, Ing C. & C. S.p.A. Printing calculating machine having a transversely moable register. 3,397,837, 8–20–68, Cl. 235—60.24.
Gassino, Teresio, and I. Bovio, to Ing. Olivetti C., & C., S.p.A. Printing device with selecting mechanism employing a group of eccentrics. 3,404,765, 10–8–68, Cl. 197—55.
Gassman, Max P., and J. P. Singer, to Deere & Co. Combined ullage rod and breather cap. 3,377,708, 4–16–68, Cl. 33—126.7.
Gassmann, Albert H., to American Machine & Foundry Co. Automatic cooking machine. 3,384,497, 5–21–68, Cl. 99—334.

Gassmann, Gerhard-Gunter, to International Standard Electric Corp. AFC circuit arrangement for fine-tuning the sine-oscillating circuit of a horizontal oscillator in television sets. 3,370,123, 2–20–68, Cl. 178—7.3.

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Gasson, Roy A. G.: *See*—
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Gast, Richard C.: *See*—
Palmer, George W., Gast, and Bartholomew. 3,402,837.

Gastaud, Jean M. Process for the preparation of 17-alpha-hydroxy-progesterone heptylate. 3,407,218, 10–22–68, Cl. 260—397.4.

Gastright, Edward H.: *See*—
Schaewe, Arnold E., and Gastright. 3,404,509.

Gat, Uri, S. Schulze-Horn, and H. Vornhusen, to Kernforschungsanlage Julich des Landes Nordrhein-Westfalen e.V. Liquid-fuel nuclear-reactor-core wall-and-channel structure. 3,410,340, 11–12–68, Cl. 165—166.

Gatag Ltd.: *See*—
Probst, Georg. 3,377,437.
Stechemesser, Ernst. 3,388,490.

Gatch, David M. Framework apparatus and method for fabricating same. 3,383,821, 5–21–68, Cl. 52—648.

Gatchell, Azeline D. Make-up aid which includes a magnifying lens in front of a mirror. 3,374,047, 3–19–68, Cl. 350—199.

Gately, Joseph R., to Forbro Design Corp. Current cutoff circuit for regulated power supply. 3,373,842, 3–12–68, Cl. 323—9.

Gately, Joseph R., to Forbro Design Corp. Current cutoff circuit for regulated power supply. 3,383,585, 5–14–68, Cl. 323—4.

Gately, Joseph R., to Forbro Design Corp. Temperature compensation of current limiting in regulated power supplies. 3,388,316, 6–11–68, Cl. 323—9.

Gately, Joseph R., to Forbro Design Corp. High precision D.C. voltage regulator. 3,419,789, 12–31–68, Cl. 323—22.

Gates, Albert G., to Gestetner Ltd. Sheet feeding mechanism. 3,379,433, 4–23–68, Cl. 271—42.

Gates, Alfred E.: *See*—
Marshall, John G., Hildon, Gates, and Clennett. 3,366,449.

Gates, Harris G., to Gates & Sons, Inc. Sliding tie-end latch assembly for gang forms. 3,363,877, 1–16–68, Cl. 249—190.

Gates, Duane C., and J. F. Detko, to Aerojet-General Corp. Apparatus for accelerating plasma by a static magnetic field and a traveling wave. 3,417,273, 12–17–68, Cl. 313—63.

Gates & Fox Co., Inc.: *See*—
Fox, Kirk H. 3,413,812.

Gates, John M. P., to Tekronix, Inc. Low-loss amplification circuit. 3,408,533, 10–29–68, Cl. 315—19.

Gates, John T.: *See*—
Caldemeyer, Daniel F. and L., Gates, and Mosier. 3,371,958.

Gates, John W., Jr.: *See*—
Porter, Ralph F., Schwan, and Gates. 3,379,529.

Gates, Lauren W., and N. A. Holtz, to The Regents of the University of California. Automatic spring tensioning of conveyor belt. 3,414,115, 12–3–68, Cl. 198—208.

Gates, Percival T., Jr., to EG & G, Inc. Radiometer having a wide range of spectral response. 3,398,279, 8–20–68, Cl. 250—83.3.

Gates, Richard L., to Koppers Co., Inc. Method and apparatus for finger-joining lumber. 3,388,020, 6–11–68, Cl. 156—266.

Gates, Ronald G.: *See*—
Noddings, Charles R., Dietzler, and Gates. 3,409,701.
Noddings, Charles R., and Gates. 3,409,700.

Gates Rubber Co., The: *See*—
Jewell, David E. 3,409,316.
Zahn, Edward J. 3,404,577.

Gates & Sons, Inc.: *See*—
Gates, Harris G. 3,363,877.

Gateway Erectors, Inc.: *See*—
Reiland, Frank D. 3,367,084.

Gatewood, Sidney U., to Borg-Warner Corp. Remote spring clutch control using outside spring. 3,381,786, 5–7–68, Cl. 192—89.

Gatherall, Reginald, D. A. G. Tait, and M. J. Skinner, to The Solartron Electronic Group Ltd. Random signal generator. 3,366,779, 1–30–68, Cl. 235—152.

Gathman, Albert, to Esso Research and Engineering Co. Castor oil extraction process. 3,377,368, 4–9–68, Cl. 260—412.4.

Gatien, Paul G. Drill rod and bit including one-way valve structure therein. 3,370,659, 2–27–68, Cl. 175—318.

Gatiss, Albert L., to Brockhouse Engineering Ltd. Transmissions. 3,382,735, 5–14–68, Cl. 74—730.

Gatley, John A.: *See*—
Swanson, Kenneth M., and Gatley. 3,365,372.

Gatley, Leonard C. Collapsible shower structure. 3,391,409, 7–9–68, Cl. 4—151.

Gatta, Antonio: *See*—
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Gatta, Theodore L., to The Fafnir Bearing Co. Thermoelectric device for identifying heat treatable steels. 3,368,884, 2–13–68, Cl. 73—15.

Gattaz, Yvon, to Radiall. Coaxial-circuit change-over switch for high frequency. 3,369,096, 2–13–68, Cl. 200—153.

Gatti, Emilio, V. Svelto, and C. Cottini, to Cise-Centro Informazioni Studi Esperienze. Method of improving the differential linearity of analog-digital converters and apparatus equipment for it. 3,386,090, 5–28–68, Cl. 340—347.

Gatti, Giancarlo, to Olivetti-General Electric S.p.A. High speed device for feeding data carrying documents such as cards and checks. 3,411,768, 11–19–68, Cl. 271—10.

Gattiker, Ernst, to Adolph Saurer Ltd. Warp beam take-off drive. 3,417,791, 12–24–68, Cl. 139—109.

Gattner, Hans: *See*—
Kunze, Wilhelm, Von Brachel, and Gattner. 3,399,229.

Gatts, James D. Article of wear for applying a stress on the wearer. 3,411,500, 11–19–68, Cl. 128—68.

Gattuso, Andrew, to Radio Corporation of America. Card system. 3,392,734, 7–16–68, Cl. 129—16.1.

Gattuso, Charles N.: *See*—
Clive, Peter, and Gattuso. 3,367,843.

Gattys Technique S.A.: *See*—
Migule, Albrecht, and Burde. 3,384,354.

Gatward, Harry F. Carrier bags and handles for attachment thereto. 3,373,925, 3–19–68, Cl. 229—54.

Gatz, Edward C. Razor guard to protectively cover a razor blade holder. 3,394,456, 7–30–68, Cl. 30—90.

Gatza, Eugene M.: *See*—
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Gatzi, Karl, to J. R. Geigy, A.G. Compositions and methods for controlling fungi. 3,378,438, 4–16–68, Cl. 167—33.

Gatzi, Karl, to Geigy Chemical Corp. Amino azacycloalkanones. 3,419,548, 12–31–68, Cl. 260—239.3.

Gau, Gerard, to General Motors Corp. Refrigerator condenser apparatus with funnel shaped flue. 3,379,241, 4–23–68, Cl. 165—53.

Gaubatz, Arthur W., to General Motors Corp. Turbomachinery. 3,365,125, 1–23–68, Cl. 230—120.

Gaubatz, Arthur W., to General Motors Corp. Reentry turbine. 3,368,794, 2–13–68, Cl. 253—66.

Gaubatz, Arthur W., to General Motors Corp. Jet propulsion engine with cooled combustion chamber, fuel heater, and induced air-flow. 3,412,560, 11–26–68, Cl. 60—261.

Gaubatz, Donald. Photographic print and film drier. 3,387,386, 6–11–68, Cl. 34—145.

Gaudet, Leandre J., and M. M. Gaudet, administratrix of said L. J. Gaudet, deceased. Plural actuated brake system. 3,379,287, 4–23–68, Cl. 188—152.

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Gaudet, Leandre J. 3,379,287.

Gaudin, Jean, to Societe de Constructions Mecaniques de Creil. Apparatus for winding electrically conducting metal strips. 3,380,686, 4–30–68, Cl. 242—75.2.

Gaudin, Jean, to Societe de Constructions Mecaniques de Creil. Expanding arbor for winding and unwinding of strips. 3,414,210, 12–3–68, Cl. 242—72.

Gaudin, Olivier P. Alkylsulphate salts of 2-homomyrtenyloxy 1-diethyl-amino ethane. 3,397,222, 8–13–68, Cl. 260—459.

Gaudry, Leon A., to Salem Equipment, Inc. Wood chipping apparatus. 3,375,859, 4–2–68, Cl. 144—172.

Gaudyn, Tad J. High efficiency mirror projection system. 3,385,162, 5–28–68, Cl. 88—26.

Gauer, Walter. Sheet metal edging apparatus. 3,400,566, 9–10–68, Cl. 72—199.

Gauffin, Claes G. E., to Aktiebolaget Platmanufaktur. Magazine for drinking cups which can be stacked in one another, which has no manual actuating member. 3,407,966, 10–29–68, Cl. 221—303.

Gaughan, Thomas, Jr. Locking device for ropes and sheaves. 3,373,846, 3–19–68, Cl. 188—64.

Gaugler, Richard S., J. W. Jacobs, and D. C. Siegla, to General Motors Corp. Infrared surface heating unit with two filaments. 3,375,346, 3–26–68, Cl. 219—449.

Gaul, Daniel R.: *See*—
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Gaul, Edward M.: *See*—
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Gaul, Paul U., Jr.: *See*—
Riesberg, Kenneth D., and Gaul. 3,386,230.

Gault, John M., to International Rectifier Corp. Fused semiconductor device. 3,401,317, 9–10–68, Cl. 317—234.

Gault, Robert L., to Westinghouse Electric Corp. Mechanism for converting a wall type oven to a combination oven and surface heater unit. 3,406,277, 10–15–68, Cl. 219—444.

Gaumer, Lee S., Jr., to Air Products and Chemicals, Inc. Ammonia synthesis. 3,368,869, 2–13–68, Cl. 23—199.

Gaunce, Frank S., to Cominco Ltd. Process for preconditioning lead-alloy electrodes. 3,392,094, 7–9–68, Cl. 204—114.

Gaunt, John A., to Geigy Chemical Corp. Process for the production of alkali metal salts of nitrilo triacetic acid. 3,415,878, 12–10–68, Cl. 260—534.

Gaunt, Ralph G.: *See*—
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Gaunt, Wilmer B., Jr., to Bell Telephone Laboratories Inc. Low distortion oscillator using dual feedback paths and symmetrical clipping. 3,374,445, 3–19–68, Cl. 331—109.

Gaunt, Wilmer B., Jr., to Bell Telephone Laboratories, Inc. Time-division multiplex telephone system with insertion loss equalization. 3,413,418, 11–26–68, Cl. 179—15.

Gausman, Thomas E., and T. L. Taylor, to Sylvania Electric Products Inc. Flux switch protective system for electrical apparatus. 3,402,316, 9–17–68, Cl. 315—20.

Gauss, Louis H., Jr., to Corning Glass Works. Resistance measuring apparatus including voltage charging and discharging means in the indicator portion. 3,417,331, 12–17–68, Cl. 324—62.
Gautherin, George: *See*—
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Greenberg, Sol, and Gautherin. 3,418,336.
Gauthier, Edward V. Integrated meter system. 3,405,554, 10–15–68, Cl. 73—114.
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Gauthier, William D., and R. J. Della Flora, to The De Vilbiss Co. Apparatus for inhalation therapy. 3,387,607, 6–11–68, Cl. 128—173.
Gauthier, William K. Abdominal retractor device. 3,384,077, 5–21–68, Cl. 128—20.
Gauthier, William K. Adjustable retractor blade. 3,384,078, 5–21–68, Cl. 128—20.
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Davis, Wayne T., and Gautreaux. 3,391,219.
Gautreaux, Marcellan F., to Ethyl Corp. Process for producing trialkyl aluminum compounds. 3,412,126, 11–19–68, Cl. 260—448.
Gautron, Raymond J., to Corpet Louvet & Cie. Installation for cutting-out material in sheets. 3,398,620, 8–27–68, Cl. 83—430.
Gavasso, Louis J.: *See*—
Pasinski, Ralph R. and Richard, and Gavasso. 3,375,877.
Gaven, Thomas J., to McGraw-Edison Co. Educational apparatus. 3,401,470, 9–17–68, Cl. 35—9.
Gaveny, Leonard H., and R. L. Glick, to Thiokol Chemical Corp. Positive displacement control system for controlling the flow of gases within a solid propellant rocket motor to regulate the burning rate of the solid propellant. 3,418,811, 12–31–68, Cl. 60—254.
Gavin, Francis P., and R. C. Gendron, to W. R. Grace & Co. Method and apparatus for mixing catalyst with resin. 3,365,-417, 1–23–68, Cl. 260—34.2.
Gavin, Thomas W. Stock gripper. 3,394,931, 7–30–68, Cl. 271—45.
Gavoret, Juliette, to Produits Chimiques Pechiney-Saint-Gobain. Method of making expandable pearls of styrene copolymer. 3,386,926, 6–4–68, Cl. 260—2.5.
Gaw, John W., to AMP Inc. High voltage component package. 3,402,380, 9–17–68, Cl. 339—89.
Gaw, John W., to AMP Inc. Electrical connector. 3,406,370, 10–15–68, Cl. 339—60.
Gaw, John W., S. C. Stinner, and W. L. Taylor, to AMP Inc. Corona resistant connector assembly. 3,402,381, 9–17–68, Cl. 339—94.
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Stadler, Hans, Gawlick, and Umbach. 3,410,213.
Gawlick, Heinz, and R. Stahlmann, to Dynamit Nobel AG. Practice shell. 3,361,066, 1–2–68, Cl. 102—87.
Gawlick, Heinz, and R. Stahlmann, to Dynamit Nobel Aktiengesellschaft. Primer assembly. 3,363,564, 1–16–68, Cl. 102—45.
Gawlick, Heinz, R. Stahlmann, and E. Mauer, to Dynamit Nobel A.G. Practice ammunition for mortars. 3,374,738, 3–26–68, Cl. 102—49.1.
Gawreliuk, Eugen. Spider for flexible coupling. 3,410,112, 11–12–68, Cl. 64—14.
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Granzow, Daniel B., Lux, and Gawron. 3,388,644.
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Gay, Martin A., to United Aircraft Corp. Method and apparatus for limiting the output voltage of a fuel cell. 3,379,-572, 4–23–68, Cl. 136—86.
Gay, Michael J., to Plessey-UK Ltd. Push-pull amplifiers with signal dependent class A or B operation. 3,414,829, 12–3–68, Cl. 330—15.
Gay, Pierre, to Compagnie des Ateliers et Forges de la Loire. Devices for transmitting a rotary motion to a gear. 3,381,-509, 5–7–68, Cl. 74—410.
Gay, Pierre A., to Compagnie des Ateliers et Forges de la Loire. Strip tensioning apparatus. 3,362,202, 1–9–68, Cl. 72—19.
Gaydasch, Alexander, to Universal Oil Products Co. N-acyl-N-cyanoalkyl-cyclohexylamines. 3,387,019, 6–4–68, Cl. 260—464.
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Gayet, Bernard, and J. Holder, to Commissariat a l'Energie Atomique. Process for producing densified and elongate bodies. 3,372,212, 3–5–68, Cl. 264—.5.
Gayle, Robert E. Magnetic driving apparatus for electric fishing motors. 3,361,215, 1–2–68, Cl. 170—135.75.
Gayler, James C., Jr. Sling for surfboard. 3,377,007, 4–9–68, Cl. 224—5.
Gaylor, Randall, to Sperry Rand Corp. Frequency tracking circuits. 3,411,093, 11–12–68, Cl. 328—14.
Gaylord, John A., to H. Koch & Sons. Emergency release for webbing and lines. 3,380,692, 4–30–68, Cl. 244—151.
Gaylord, John F., Jr., to Medical Specialties, Inc. Method and apparatus for treating burn patients with physiological solutions. 3,366,110, 1–30–68, Cl. 128—248.
Gaylord, John F., Jr., to Medical Specialties, Inc. Cervical collar. 3,374,785, 3–26–68, Cl. 128—75.
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Gaylord, Ralph E., to General Mills, Inc. Process for making bread loaves. 3,368,503, 2–13–68, Cl. 107—54.
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Moirlat, Maurice, and Trehout. 3,384,390.
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Gaynor, Joseph, to General Electric Co. Recording apparatus comprising a photosensitive member, a recording member, and an ion exchange membrane. 3,393,617, 7–23–68, Cl. 95—1.7.
Gaynor, Joseph, to General Electric Co. Color electrophotography employing a three color filter and thermoplastic materials. 3,413,117, 11–26–68, Cl. 96—1.2.
Gaynor, Joseph, M. Metlay, and G. J. Sewell, to General Electric Co. Information recording system comprising reversible color image. 3,366,480, 1–30–68, Cl. 96—48.
Gazal, Charles, to Commissariat a l'Energie Atomique. Axial-stress limiting device. 3,383,973, 5–21–68, Cl. 85—62.
Gaz-Transport, S.A.R.L.: *See*—
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Gazzani, Giovanni, to Neotis S.a.s. Apparatus for the controlled distribution of liquids, in particular for toiletry. 3,403,961, 10–1–68, Cl. 401—202.
Gazzard, Simon T., to St. Joseph Lead Co., mesne. Manufacture of dispersion strengthened lead by screw extrusion of oxide-coated particles. 3,393,069, 7–16–68, Cl. 75—206.
Gdanski, Ronald C. Coin sorter. 3,367,346, 2–6–68, Cl. 113—3.
Geacintov, Cyril, L. Starr, and W. J. Toth, to Mobil Oil Corp. Photochemical reaction process using a halosilane-coated vessel. 3,398,073, 8–20–68, Cl. 204—159.13.
Gealt, Arthur E.: *See*—
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Johns, Earl, and Lowrie. 3,410,136.
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Geary, Carl H., to Carrier Corp. Shaft speed limiting device. 3,374,680, 3–26–68, Cl. 73—538.
Geary, Carl H., to Carrier Corp. Rotary shaft speed control. 3,393,692, 7–23–68, Cl. 137—36.
Geary, Robert J., to Plant Products Corp. Stabilized pesticide compositions and methods for making same. 3,393,990, 7–23–68, Cl. 71—65.
Gebauer, Albert W., to Scientific Separators, Inc. Portable pruning equipment. 3,401,455, 9–17–68, Cl. 30—228.
Gebbia, Joseph S. Preassembled piano strings with tuning pin or pins attached and method of manufacture. 3,402,629, 9–24–68, Cl. 84—197.
Gebbia, Joseph S. Storage pallet for preassembled piano strings and pins. 3,399,588, 9–3–68, Cl. 84—197.
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Gebel, Kurt M., to Landis Tool Co. Precision size control by a positive stop. 3,407,543, 10–29–68, Cl. 51—165.
Gebel, Rudolf, to Siemens Aktiengesellschaft. Magnetohydrodynamic generator. 3,377,491, 4–9–68, Cl. 310—11.
Gebhard, John C., Jr., and E. J. Mead, to E. I. du Pont de Nemours and Co. Polymeric laminate and article covered therewith. 3,419,461, 12–31–68, Cl. 161—184.
Gebhard, Paul C. Joint fastening for storm doors, storm windows, and similar structures. 3,388,936, 6–18–68, Cl. 287—189.36.
Gebhardt, Hartmut: *See*—
Mertel, Heinz, and Gebhardt. 3,370,290.
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Gebler, Horst, L. E. H. Klenk, W. F. Seifried, K. Richard, and W. Müller, to Kalle Aktiengesellschaft. Process for the manufacture of biaxially stretched polyethylene films. 3,383,445, 5–14–68, Cl. 264—95.

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Gedge, Burton H., III, to The Procter & Gamble Co. Built detergent compositions. 3,392,121, 7–9–68, Cl. 252—136.
Gedge, Seymour C., and W. H. Johns, to United States Steel Corp. Barbed-wire bundle. 3,370,699, 2–27–68, Cl. 206—59.
Gee, Allen, to Hughes Aircraft Co. Use of organosilicon subbing layer in photoresist method for obtaining fine patterns for microcircuitry. 3,405,017, 10–8–68, Cl. 156—17.
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Andress, Harry J., Jr., and Gee. 3,418,092.
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Liquid hydrocarbons. 3,369,878, 2–20–68, Cl. 44—73.
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Gehenot, Charles, to Compagnie belgoluxembourgeoise du Commerce exterior in abridgment; "Cobelcomex." Process and installation for glass tempering and cooling. 3,406,022, 10–15–68, Cl. 65—114.
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Hammond, Robert H., Meyer, Gehman, and Kelly. 3,419,-718.
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Gehrie, Charles S., to Presto Lock Co., Inc. Combination lock. 3,405,544, 10–15–68, Cl. 70—74.
Gehrie, Charles S., to Presto Lock Co., Inc. Latching device and combination locking means. 3,416,338, 12–17–68, Cl. 70—312.
Gehrig, Neil E., to Atlas Chemical Industries, Inc. Aqueous inorganic nitrate salt slurry containing nitric acid and entrapped air. 3,376,176, 4–2–68, Cl. 149—46.
Gehring, Arthur J., Jr., and L. W. Stowe, to Sperry Rand Corp. Magnetic computer. 3,302,016, 1–2–68, Cl. 340—172.5.
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Gehring, James H. Cup shaped cap means in a joint. 3,385,-617, 5–28–68, Cl. 287—189.36.
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Gehrman, Gary L., and B. W. Turnquest, to Sinclair Research, Inc. Dehydrohalogenation of quaternary carbon atom-containing halogenated hydrocarbons. 3,415,897, 12–10–68, Cl. 260—677.
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Sennewald, Kurt, Bender, Gehrmann, Kallrath, Peantek, Schallus, Stephan, and Strie. 3,377,402.
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Gehrt, Edwin E., and W. T. Jensen, to Methode Electronics, Inc. Forked contact and method of manufacture. 3,381,-263, 4–30–68, Cl. 339—277.
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Brightman, Barrie, and Smith. 3,379,836.
Carlin, Joseph E. 3,411,338.
Christian, Earl L. 3,393,023.
Christian, Earl L. 3,417,225.
Claffey, Thomas R. 3,389,846.
Cole, Donald W., and May. 3,376,684.
De Hart, Larry L., and Speer. 3,376,999.
Di Tommaso, Anthony, Martin, and McKown. 3,380,310.
Dugan, William P., Flanders, Robins, and Feighner. 3,367,754.
Fetner, Martin J., and Freedman. 3,364,745.
Flanders, Andrew E., and Feighner. 3,374,530.
Flanders, Andrew E., Packer, Patrick, and Pratt. 3,410,722.
Flanders, Andrew E., and Patrick. 3,384,956.
Freedman, Robert P. 3,387,471.
Freehauf, Eugene G., and Dugan. 3,370,351.
Freehauf, Eugene G., and Dugan. 3,396,459.
Freytag, Richard W. 3,364,474.
Freytag, Richard W. 3,376,558.
Gallentine, Donal O. 3,382,564.
Glynn, Emmett P. 3,417,974.
Gratian, Joseph W. 3,404,381.
Gratian, Joseph W., Freytag, and Unterleitner. 3,362,019.
Gray, Martin B. 3,394,315.
Hall, Arnold M. 3,371,737.
Hall, Arnold M. 3,398,713.
Hall, Arnold M., and Trevett. 3,401,547.
Hammons, Carl A., Smith, and Witter. 3,412,599.
Harrison, John E., Koontz, and Michaels. 3,372,339.

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Hobalca, Edward C. 3,411,965.
Hotine, William. 3,378,316.
Jeffers, Robert K. 3,378,773
Jonas, Julius and Pfenneberger. 3,387,824.
Kaarlela, William T. 3,366,475.
Ketcham, George M. 3,389,332.
Kim, Kap S. 3,416,096.
Konen, Jacob J., Jr., and Muir. 3,372,383.
Koontz, Floyd A., and Michaels. 3,379,995.
Krohn, Fritz F. W. 3,400,444.
Lacey, Richard E. 3,362,495.
Leadon, Bernard M., Carter, and Gallaher. 3,410,502.
Lesser, Marshall W., and McCormick. 3,372,371.
Liston, Novell D. 3,415,078.
McCabe, James A. 3,373,563.
Miller, Park H., Jr., Pound, and Snodgrass. 3,363,229.
Moore, Robert E., and Brown. 3,374,449.
Morris, George F. 3,364,486.
Murchison, Jerre M., and Falk. 3,400,394.
Ogden, Larry M., and Wise. 3,371,611.
Packer, Parley R., and Flanders. 3,367,755.
Pennisi, Joseph M. 3,384,113.
Petrocelli, Americo W., Marriott, Turco, and Capotosto. 3,407,129.
Phillips, Eugene. 3,377,259.
Piper, Thomas E., and Pratt. 3,377,164.
Piscitello, Robert A., and Petit. 3,364,067.
Piscitello, Robert A., Petit, and Wolski. 3,372,330.
Pommerening, Uwe A. 3,409,784.
Pratt, Wilson N. 3,375,694.
Pratt, Wilson N. 3,385,375.
Prince, William A., and O'Brien. 3,411,812.
Quady, John C., and Schillreff. 3,390,655.
Redmond, John C. 3,380,294.
Rienks, Frits, and Koch. 3,401,859.
Rogers, Raymond J., and Hughes. 3,372,346.
Rope, Eugene L., and Tricoles. 3,388,396.
Roth, Albert. 3,364,480.
Rudis, Joseph T. 3,366,349.
Schillreff, George H. 3,371,639.
Selsam, Roger L. 3,386,339.
Sinclair, Neil A. 3,395,572.
Smith, Kenneth F. 3,394,569.
Spisak, John A. 3,404,551.
Stephany, Joseph F. 3,379,887.
Straube, Helmut J. 3,370,187.
Toillver, Peter M. 3,414,833.
Waldman, Marvin. 3,372,356.
Walker, Watson F. 3,409,831.
Wallett, Richard A. 3,409,836.
Wallman, Harold, Bolles, and Brown. 3,411,998.
Walter, Harold L., and Malthaner. 3,363,862.
Wildi, Paul. 3,383,890.
Wise, Boyd A. 3,382,932.
Wise, Boyd A., and Ogden. 3,373,232.
Woolley, Donald D. 3,404,020.
Wrench, Edwin H., Lindkvist, Mandoza, Close, Gibb, and Ford. 3,380,687.
Zavitz, Arnold L., and Vanderveer. 3,397,429.
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Adams, Charles J. 3,411,127.
Adams, Donald W., Nadzam, and Walter. 3,410,151.
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Addamiano, Arrigo. 3,361,678.
Addamiano, Arrigo. 3,379,502.
Addamiano, Arrigo. 3,409,402.
Aftergut, Siegfried. 3,366,604.
Aftergut, Siegfried. 3,373,140.
Aftergut, Siegfried. 3,373,141.
Alampi, Daniel A. 3,388,036.
Albers, George F., and McClanahan. 3,383,197.
Aldridge, Frank S., Jr. 3,419,836.
Alford, Joseph S. 3,364,678.
Allen, Merton. 3,366,564.
Allen, Merton. 3,389,997.
Allen, Merton. 3,416,128.
Allen, Merton, and Schrom. 3,402,120.
Allen, Wendell P. 3,381,177.
Alter, Henry W. 3,373,683.
Ammer, Robert C., Beavers, Ferrari, and Rabone. 3,409,-250.
Anderson, Bernard J. 3,383,095.
Anderson, Harry C. 3,396,231.
Anderson, Robert M., and Demchock. 3,409,342.
Anderson, Robert P., Holoch, and Howe. 3,392,146.
Anderson, Roy E. 3,384,891.
Andrews, Charles L. 3,381,160.
Andrews, James D. 3,403,084.
Andrews, James D., and Kunz. 3,384,567.
Andrews, James D., and Shurts. 3,409,534.
Arnold, Charles E., and Sayer. 3,369,153.
Ashby, Bruce A. 3,408,321.
Aven, Manuel. 3,385,656.
Aven, Manuel, and Garwacki. 3,390,311.
Axelson, John S., and Dolan. 3,407,110.
Bach, Carl G., Jr. 3,376,861.
Bach, Carl G., Jr. 3,412,726.
Bailey, Francis M. 3,417,219.
Bally, Frederick G. 3,360,908.
Bakke, Hans A., De Marco, and Manning. 3,365,142.

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Baldwin, William E. 3,407,468.
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Balke, Roy L., and Duane. 3,400,454.
Bamberger, Eric N. 3,369,942.
Banovic, Frank J. 3,417,334.
Barito, Robert W. 3,362,198.
Barito, Robert W. 3,364,166.
Barkan, Phillip. 3,366,900.
Barker, James F. 3,403,059.
Barker, Robert E., Jr. 3,415,712.
Barnaby, Bernard S., Ward, and Morcombe. 3,397,371.
Barnes, Robert G. 3,395,510.
Barringer, Jerry M. 3,405,319.
Bartfai, John J. 3,397,086.
Barton, Sterling C. 3,413,499.
Bauer, Alvin W. 3,393,370.
Bauer, Douglas M. 3,418,713.
Bauer, John W. 3,365,587.
Baumann, Frederick W., and Dunn. 3,383,529.
Baur, John W., and Tindal. 3,370,256.
Beatson, Thomas J. Boyle, Burch, Hunter and Scott. 3,366,932.
Beatson, Thomas J., Keefer, Rojko, and Wilhite. 3,368,-204.
Beatty, John W., and McNeir. 3,418,440.
Becker, Hans-Dieter. 3,369,031.
Becker, Hans-Dieter. 3,390,125.
Becker, Hans-Dieter. 3,410,878.
Becker, Howard I., Jr. 3,408,486.
Bedford, Burnice D. Re. 26,342.
Bedford, Burnice D., and Kessler. 3,414,698.
Beers, Melvin D. 3,382,205.
Beesley, Edward M. 3,364,378.
Bell, Gordon M., and Hallay. 3,374,396.
Berger, Abe. 3,362,976.
Berger, Abe. 3,362,977.
Berger, Abe. 3,390,162.
Berger, Abe. 3,401,183.
Berger, Abe. 3,419,354.
Berger, Abe. 3,419,592.
Berger, Elmer J., and Perin. 3,403,085.
Bibb, Henry Q. 3,390,901.
Bigge, William R., and Roupe. 3,382,153.
Blair, Ronald A. 3,395,594.
Boardman, Charles E., Schneider, Shoopak, and Wolfe. 3,400,048.
Bock, Donald D., and Gardner. 3,377,524.
Bock, John W., and Teske. 3,383,506.
Bolon, Donald A. 3,362,934.
Boothe, Willis A. 3,383,038.
Boothe, Willis A. 3,400,729.
Boothe, Willis A. 3,402,727.
Boothe, Willis A. 3,404,700.
Boothe, Willis A. 3,416,310.
Boothe, Willis A., and Lanza. 3,395,719.
Boothe, Willis A., Ringwall, Kelley, and Rexford. 3,409,-032.
Boothe, Willis A., and Shinn. 3,410,291.
Borel, Ronald F., and Lee. 3,395,538.
Borg, Tore E., Elliott, and Zysk. 3,396,357.
Borman, William F. H. 3,392,147.
Bostick, Edgar E. 3,378,521.
Bostick, Edgar E. 3,415,728.
Boswell, Paul B. 3,401,567.
Bourgeois, Hector S. 3,362,160.
Bowar, Gerald J., Marshall, and Sperow. 3,370,216.
Bower, Arnold B., Jr. 3,415,332.
Boyle, Frank J., and Wilhite. 3,413,609.
Bozeman, Richard W. 3,418,443.
Bradley, Guy D. 3,364,838.
Bradstock, Robert B. 3,377,525.
Bragg, John K. 3,365,584.
Bragg, John K. 3,402,399.
Braswell, Gary J., and Jolly. 3,378,716.
Breedling, Harold A., and Cheadle. 3,377,042.
Breedling, Harold A., and de Vos. 3,377,473.
Bremer, John W. 3,383,758.
Bremer, John W. 3,416,146.
Brezosky, Bernard J. 3,386,582.
Bristol, David A. 3,372,594.
Bristow, Robert H. 3,395,993.
Britt, Ronald L. 3,413,443.
Brooks, George D., Farrington, and Foley. 3,391,602.
Brown, Edgar D., Jr. 3,385,822.
Brown, Edgar D., Jr. 3,388,089.
Brown, Edgar D., Jr. 3,418,353.
Brown, John F., Jr. 3,378,575.
Brown, John F., Jr. 3,390,163.
Browne, William R., and McNamara. 3,402,119.
Buchhold, Theodor A. 3,394,335.
Buckley, Leo P., Jr., and Houlton. 3,392,696.
Burch, Byron F., Jr., and Bradshaw. 3,377,622.
Burch, James R. 3,401,311.
Burge, Joseph C., and Beal. 3,395,891.
Burge, Joseph C., and Naberhaus. 3,365,124.
Burgess, James F. 3,415,681.
Burke, Hubert K., and Michon. 3,389,383.
Burke, Hubert K., and Michon. 3,402,289.
Buscher, Richard G., and Walker. 3,412,299.
Buschmann, Erwin C. 3,384,900.
Bussone, Joseph V. 3,368,130.

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Butts, William R. 3,383,207.
Campbell, Hugh L. 3,391,271.
Campbell, John H. 3,396,807.
Campbell, Thomas C. 3,369,363.
Campbell, Von C., and Good. 3,409,735.
Campbell, William B. 3,404,831.
Campbell, William B., and Hemsworth. 3,398,535.
Canney, Robert S. 3,418,615.
Cannon, Peter, Grama, and Mowrey. 3,417,222.
Cardwell, John G., Jr. 3,403,280.
Carlson, Gerald J. 3,383,977.
Carp, Gerald, and Weischedel. 3,366,933.
Carpenter, Jonathan H., and Holder. 3,387,243.
Carson, William N., Jr., and King. 3,415,689.
Cary, Kenneth H., Nagamatsu, Sheer, and Graber. 3,402-306.
Casey, Edward J., and Heintz. 3,418,439.
Chalk, Alan J. 3,417,053.
Chang, Winston H. 3,384,479.
Chang, Winston H. 3,403,022.
Chang, Winston H., Clark, and Oxx. 3,379,520.
Chausse, Burnette P., and Gareis. 3,363,247.
Chausse, Burnette P., and Konrad. 3,368,129.
Chiabrandy, Robert E. 3,380,341.
Chiabrandy, Robert E. 3,380,342.
Chiabrandy, Robert E. 3,407,701.
Chiabrandy, Robert E., and Tassie. 3,380,343.
Chowdhuri, Pritindra. 3,405,284.
Christie, Cornelius W. 3,416,804.
Ciokajlo, John J. 3,403,889.
Cizek, Eric P. 3,383,435.
Clark, David L. 3,362,645.
Clark, Robert C., and Thompson. 3,417,235.
Cockrell, William D. 3,405,255.
Coffman, John A., and Browne. 3,415,683.
Cole, Douglas I. 3,374,122.
Cole, Douglas I. 3,396,580.
Cole, Robert E., Roecks, Sommerer, and Welle. 3,400,895.
Collins, Clifford B., and Holcomb. 3,364,376.
Connine, John G. 3,368,779.
Connolly, Terrence E. 3,380,053.
Contrucci, Raymond J., Kelm, and Schrier. 3,416,209.
Cook, Clarence G. 3,374,377.
Cooley, John R. 3,377,700.
Cooper, David, and Lenz. 3,402,972.
Cooper, David, and Swanson. 3,408,513.
Copland, James G., and Thor. 3,383,518.
Coppa, Anthony P. 3,410,511.
Coray, Philip D. 3,387,229.
Corey, Philip D. 3,417,315.
Corey, Philip D., and Porter. 3,401,329.
Corey, Philip D., and Wellford. 3,373,338.
Cormia, Robert L. 3,416,959.
Cottrell, William H., Jr. 3,395,394.
Coutant, Edward R. 3,415,965.
Cox, Eugene B. 3,363,156.
Crouch, Donald W. 3,403,297.
Crowe, William P., and Murphy. 3,397,553.
Csabi, Manyhert. 3,379,625.
Csicsatka, Antal. 3,369,187.
Cunningham, Clarence V. 3,378,749.
Cunningham, Eldon R. 3,361,496.
Cushing, Donald S., and Jenkins. 3,381,620.
Cutler, Leon H. 3,382,885.
Dally, Roy. 3,387,849.
Daniels, Franklin W., and Barlow. 3,415,098.
Darrow, Kenneth A. 3,377,696.
Darrow, Kenneth G., and Titus. 3,397,293.
Datta, Ranajit K. 3,396,118.
Davies, Robert L. 3,413,527.
Davis, Calvin M., and Davies. 3,370,209.
Davis, John N., and Hanson. 3,365,540.
Davis, Louis K. 3,399,317.
Davis, Louis K. 3,403,258.
Davis, Myron, and Carlson. 3,395,444.
Davis, William D. 3,385,965.
Day, Bernard E., and Clark. 3,390,294.
De Cecco, Angelo L., Piccone, and Somos. 3,408,545.
De Hollander, William R. 3,394,997.
De Lisse, Carroll W. 3,409,622.
De Sorbo, Warren. 3,413,055.
De Sorbo, Warren. 3,416,917.
Detro, Richard G. 3,368,100.
Dewey, Clyde G. 3,374,399.
Dexter, Edwin M. 3,405,728.
Dibelius, Norman R. 3,367,329.
Dicken, John A., Jr. 3,383,148.
Diggs, Charles W. 3,383,094.
Dills, Raymond L. 3,381,453.
Dills, Raymond L. 3,405,263.
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Dills, Raymond L., and Hurko. 3,364,912.
Dimitroff, Vladimir T., Jr., and Wagner. 3,391,539.
Di Nicola, Nicola C. 3,407,562.
Di Paola, Joel F. 3,364,175.
Di Paola, Joel F. 3,385,823.
Dix, Cyril H. 3,401,298.
Dochterman, Richard W. 3,388,459.
Dodge, Gerald F., III, and True. 3,373,576.
Doss, Dwight W., and Bremer. 3,370,177.
Douillard, Paul A., Jones, Cunningham, and Lufcek. 3,376,-186.
Dounoucos, Angelo. 3,416,985.

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Dowell, Millard F. 3,380,246.
Downing, Robert D. 3,408,474.
Driscoll Francis E. 3,362,155.
Duff, James B., and Pieper. 3,407,484.
Dunn, George B., Jr. 3,383,530.
Dunn, George B., Jr., and Sieber. 3,392,996.
Du Pre, Ernest T. 3,375,343.
Dushek, Charles D. 3,397,934.
Dwyer, Peter W., and Couch. 3,397,511.
Eagles, Allen E., and Linder. 3,389,951.
Eaker, Garlan L., and Morton. 3,387,480.
Earle, Roger T., Jr., and Davis. 3,415,383.
Eaton, Richard H. 3,377,877.
Eckerle, William A. 3,409,320.
Edson, William A. 3,416,145.
Eff, Christian A. 3,367,316.
Eggenberger, Markus A., Ipsen, and Troutman. 3,403,892.
Elias, William H. 3,417,341.
Ellestad, Thomas G. 3,401,351.
Elliott, James F. 3,368,179.
Elliott, James F. 3,403,558.
Enderby, Charles E., and White. 3,393,954.
Engleman, Chester F., and Butsch. 3,374,945.
English, James F. 3,384,774.
Erickson, Clifford E. 3,364,621.
Erickson, Clifford E. 3,378,934.
Erickson, Clifford E., and Stelli. 3,399,464.
Ericson, Eric A. 3,377,421.
Ericson, Eric A. 3,395,378.
Erlandson, Otto D., and Judson. 3,374,068.
Erwin, John R. 3,365,171.
Erwin, John R. 3,369,773.
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Erwin, John R., and Adamson. 3,373,928.
Euler, George M. 3,387,188.
Euler, George M. 3,399,287.
Fabel, David A., and Hunter. 3,370,207.
Fallon, Christopher C., and Weischedel. 3,375,405.
Fane, William H., Jr. 3,362,398.
Farrell, Robert P., Jr., and Schulte. 3,381,637.
Fehr, Joseph A., Jr. 3,376,377.
Fehr, Joseph A., Jr., and Krause. 3,365,537.
Felske, Arthur M. 3,364,844.
Fenner, Gunther E. 3,378,648.
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Ferrigno, William L., Jr. 3,378,777.
Ferrigno, William L., Jr. 3,384,764.
Fetterolf, Harry D., and Tindal. 3,411,148.
Finholt, Robert W. 3,379,792.
Fisher, David C., and Czech. 3,416,533.
Fisher, Lawrence E. 3,384,856.
Fisher, Lawrence E. 3,391,378.
Fishman, Herbert, and Frank. 3,368,122.
Fisk, Ronald E., and Perini. 3,369,246.
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Fiske, Milan D. 3,370,210.
Fleck, Joel J., and Hogan. 3,411,411.
Fleckenstein, Elwin H. 3,374,809.
Fleeman, Philip J., and Brand. 3,401,891.
Fleischer, Robert L., Price, and Walker. 3,415,993.
Fogle, Howard R., and Bryant. 3,381,555.
Foley, Albert H. 3,387,208.
Forslund, Herbert B. 3,409,480.
Fox, Daniel W. 3,375,298.
Fox, Daniel W., and Shenian. 3,383,421.
Fox, Joseph S., Sr. 3,367,697.
Frankel, Stanley P. 3,413,454.
Fraser, James C. 3,414,813.
Freeman, Donald. 3,390,837.
Freestone, Harry T., and Havn. 3,395,312.
French, Michael W. 3,382,672.
French, Richard W. 3,406,329.
Friedman, Arnold I., and Beaumont. 3,384,598.
Fritz, Robert J. 3,397,730.
Fuerst, Peter E. 3,373,070.
Fuerst, Peter E. 3,373,071.
Fuller, Jackson F., and Lawson. 3,383,562.
Fullman, Robert L., and Mitoff. 3,410,728.
Gabriel, Richard L. 3,377,327.
Gaddy, Thomas W., and Gilbert. 3,365,675.
Gaertner, Richard F. 3,377,778.
Gaertner, Richard F., and Holub. 3,417,042.
Gaines, George L., Jr., Herrick, and Anderson. 3,415,682.
Galevich, George J., and Goerss. 3,416,126.
Galler, Gerald M., Porcelli, and Rakoczi. 3,409,880.
Garde, Lawrence. 3,368,153.
Gareis, Ronald E., and Konrad. 3,363,246.
Gartland, Albert J., Jr. 3,384,721.
Gaynor, Joseph. 3,393,617.
Gaynor, Joseph. 3,413,117.
Gaynor, Joseph, Metlay, and Sewell. 3,366,480.
Gelbard, Robert B. 3,390,718.
Gentry, Finis E. 3,391,310.
Geyer, Howard M. 3,373,696.
Geyer, Howard M. 3,377,799.
Ghaem-Maghami, Sanjar. 3,408,576.
Ghaem-Maghami, Sanjar, and Kemeny. 3,373,252.
Giaever, Ivar. 3,394,317.
Gibbs, Richard D. 3,407,470.
Gibbs, Richard D. 3,407,472.
Gibbs, Richard D. 3,407,474.
Gibbs, Richard D. 3,407,483.

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Giger, Walter, Jr. 3,394,616.
Giger, Walter, Jr. 3,401,230.
Girard, Roland T., Sims, and Wisely. 3,397,080.
Gist, William B., Jr. 3,375,997.
Gist, William B., Jr. 3,381,474.
Glassanos, Andrew. 3,404,247.
Glenn, William E., Jr., and Henkes. 3,377,424.
Gloersen, Per, Gorowitz, and Karras. 3,400,241.
Good, William E., and True. 3,385,925.
Goossens, John C. 3,398,173.
Gordon, Walter H., Jr. 3,419,705.
Gottschalk, Klaus. 3,409,790.
Gowan, Alastair C. 3,361,851.
Gowan, Alastair C. 3,373,226.
Gowanlock, Thomas W. 3,363,299.
Grahame, Frederick W. 3,365,632.
Grams, William R. 3,409,978.
Granger, Millard S. 3,374,704.
Graser, Michael, Jr. 3,385,924.
Green, James, Jr. 3,412,767.
Greenwood, Allan N. 3,390,305.
Grenier, John W., and Bayer. 3,409,522.
Grenoble, Maurice E. 3,419,508.
Gritton, Davis M. 3,383,565.
Gross, Charles H., and Helmintoller. 3,386,247.
Grossoehme, Floyd. 3,391,330.
Groves, James N. 3,367,332.
Gruenwald, Geza. 3,396,145.
Guernsey, Lloyd B. 3,378,782.
Guettler, Gerald F., and Roosen. 3,371,222.
Guilbault, Lawrence J., and Schwenker. 3,414,856.
Guth, Lauren W. 3,393,021.
Guth, Lauren W., and Clark. 3,403,865.
Gutzwiller, Frank W. 3,404,327.
Gyorey, Geza L., Parkos, Roupe, Thompson, and Crowther. 3,385,758.
Haake, Herbert B., Johnson, Welch, and Wilson. 3,370,460.
Hagel, William C. 3,383,204.
Hagendoorn, Willem J., and Kearl. 3,376,711.
Haggard, John B. 3,395,379.
Haggstrom, Olle E. 3,365,743.
Haldopoulos, Akis, and Mitchell. 3,378,880.
Hall, James A., and Pepplatt. 3,404,346.
Hall, Robert N. 3,410,132.
Hall, Robert N. 3,417,246.
Hall, Robert N., and Holonyak. 3,417,248.
Hamlen, Robert P., and King. 3,878,408.
Hannam, Herbert J. 3,379,566.
Harder, Arthur J. 3,364,941.
Hardy, Albert L. 3,376,087.
Harle, Harold P. 3,388,562.
Harnden, John D., Jr., and Jones. 3,384,888.
Harper, Kennard W. 3,389,950.
Harrison, John W., Holmes, and Dantowitz. 3,392,058.
Harrod, John F. 3,410,820.
Harrold, Arthur E. 3,414,682.
Harris, Lawson P. 3,389,359.
Hartung, Edward C. 3,401,328.
Hartung, Edward C. 3,407,335.
Harvey, William G. 3,389,241.
Haselton, Thomas P., and Pustell. 3,416,972.
Haskins, Gerald M., and Durham. 3,397,749.
Hawkins, James R. 3,362,082.
Hay, Allan S. 3,363,008.
Hay, Allan S. 3,378,505.
Hay, Allan S. 3,402,143.
Hay, Allan S. 3,402,144.
Hay, Allan S. 3,415,896.
Hazelden, Denis W. J., Norreys, and Wheeler. 3,418,245.
Heft, Eldon B. 3,384,846.
Heft, Eldon B. 3,394,329.
Heft, Eldon B., and Johnson. 3,391,357.
Heft, Eldon B., and Laubenheimer. 3,407,368.
Heldtmann, Donald S. 3,394,466.
Helt, Henry J. 3,413,444.
Hemmenway, Stuart F. 3,374,423.
Hemmenway, Stuart F., and Rosenberry. 3,366,870.
Hendrickson, Robert L. 3,394,265.
Henshaw, Robert W., and Tassie. 3,410,381.
Herbert, Raymond H. 3,390,806.
Herman, Clairmont J. 3,371,237.
Hermann, Benjamin R., and Koch. 3,377,447.
Hermann, Gerald P. 3,365,616.
Herold, Henry L., and Masters. 3,383,660.
Herrick, Carlyle S. 3,410,636.
Herron, Edwin W., Hunter, and Wilhite. 3,368,206.
Hershberger, Doran D., and Gibbs. 3,407,485.
Hewlett, Clarence W., Jr. 3,373,268.
Hewlett, Clarence W., Jr. 3,377,521.
Hickin, Charles W. R. 3,363,187.
Hickin, Charles W. R., and Quinlivan. 3,412,261.
Hickok, Robert L. 3,378,354.
Hickok, Robert L. 3,378,499.
Hill, Harold P. 3,394,291.
Hittel, Lorenz A., and Miller. 3,377,621.
Hoag, Yates M. 3,372,938.
Hoag, Yates M. 3,387,800.
Hodges, Merwyn E. 3,390,279.
Hodges, Merwyn E. 3,413,538.
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Holdstock, Norman G. 3,412,129.
Holle, Robert F. 3,384,781.
Holmes, Robert G. 3,418,552.
Holoch, Klaus E. 3,379,875.
Holoch, Klaus E. 3,414,536.
Holoch, Klaus E., and Van Sorge. 3,375,228.
Holub, Fred F. 3,392,045.
Holub, Fred F. 3,392,143.
Holub, Fred F. 3,392,144.
Holub, Fred F. 3,410,875.
Holub, Fred F. 3,415,780.
Holub, Fred F., and Safford. 3,392,135.
Hoogenboom, Leo. 3,381,190.
Hopkins, Willard C., and Rediger. 3,407,481.
Houghton, Alan F. 3,375,402.
Houston, John M. 3,384,776.
Howald, Werner E. 3,369,366.
Howald, Werner E. 3,383,093.
Howard, Charles L. 3,373,688.
Howard, Charles L. 3,400,047.
Howe, John G. 3,414,868.
Howell, Edward K. 3,373,262.
Huang, Thomas L. 3,368,154.
Hughes, Donald E. 3,389,055.
Hughes, Edward H. 3,391,384.
Hughes, William L., and Powell. 3,408,605.
Hull, Clifford O., Jr., and Intrator. 3,375,417.
Hume, Roger E. 3,371,245.
Hummel, Wiley M. 3,395,452.
Hunter, Robert D., Perrine, and Wilhite. 3,368,205.
Hupp, Arthur C. 3,370,219.
Hurko, Bohdan. 3,362,396.
Hurko, Bohdan. 3,412,727.
Hurko, Bohdan, and Dills. 3,410,987.
Hurt, William C., Jr., and Boehm. 3,377,183.
Hurwitz, Henry, Jr. 3,408,593.
Ishler, William E., and Smialek. 3,384,775.
Ivy, Robert C., and Woodward. 3,384,812.
Jacobs, Lewis W. 3,404,316.
Jacobs, Lewis W., and Mrowka. 3,382,416.
Jacobs, Lewis W., Mrowka, and Sabatella. 3,404,315.
Jacobs, Lewis W., and Sabatella. 3,418,536.
Jacobson, Chester F. 3,393,293.
Jacobson, Chester F. 3,396,265.
Jacobus, Dwight W., Sterling, and McDowell. 3,375,678.
Jaquiss, Donald B. G. 3,382,207.
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Jencks, Charles L., and Kiesel. 3,365,561.
Jencks, Charles L., and Kiesel. 3,382,331.
Jencks, Charles L., and Kiesel. 3,391,361.
Jencks, Charles L., and Kiesel. 3,411,117.
Jenkins, Thomas E. 3,367,368.
Jenkins, Thomas E. 3,367,687.
Jenkins, Thomas E. 3,378,933.
Jenkins, Thomas E. 3,393,025.
Johansson, August V. 3,368,109.
Johnson, Daniel. 3,394,581.
Johnson, Joseph F., and Laubenheimer. 3,384,845.
Johnson, Lloyd H., and Carson. 3,403,891.
Johnson, Peter D. 3,363,134.
Jones, Clifford M., and Harnden. 3,381,226.
Jones, Gary D. 3,394,559.
Jones, William L. 3,410,714.
Joseph, Raymond S., and Ashley. 3,363,206.
Joseph, Raymond S., and Ashley. 3,417,201.
Judd, Edwin B., and Sheldon. 3,409,749.
Judd, Winston R. 3,374,452.
Kaduk, Edward E. 3,416,019.
Karasievich, Julian J. 3,415,337.
Kast, Howard B. 3,369,759.
Kast, Howard B. 3,391,702.
Kauders, Herbert J. 3,384,453.
Kauffman, Melvin R. 3,398,756.
Kauffman, Melvin R., and Sholtes. 3,419,190.
Keane, John J., Fox, and Borman. 3,375,225.
Keating, Charles A. 3,365,606.
Keefer, David E. 3,370,275.
Keenan, James J. 3,389,360.
Kegan, Robert E. 3,369,868.
Kelley, Harold P. 3,366,787.
Kelley, Lonny R., and Ringwall. 3,379,204.
Kelly, Jack L., and Wiandt. 3,375,011.
Kelly, Jack L., and Wiandt. 3,413,007.
Kemeny, Julius. 3,406,578.
Kendall, Louis F., Jr., and Bredt. 3,382,109.
Kendt, Norman L. 3,386,454.
Kercher, David M., and Adiutori. 3,388,888.
Kettler, Clarence J. 3,365,656.
Kiernan, James G., and Trabler. 3,407,681.
King, Ralph E. 3,379,029.
King, Ralph E., and Horvay. 3,397,551.
Kingsbury, L C James. 3,386,741.
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Kinsey, Richard R. 3,377,571.
Kirkham, Floyd L. 3,368,265.
Klebe, Johann F. 3,397,220.
Klebe, Johann F. 3,418,312.
Klebe, Johann F. 3,418,313.
Klein, Keith W. 3,411,042.
Kline, Halsey W. 3,372,395.
Kling, August J. 3,400,294.
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Kraimer, Robert H., and Theodore. 3,369,792.
Krantz, Karl W. 3,372,133.
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Kronk, Richard M., and Stonecipher. 3,377,779.
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Krystyniak, Casimir W. 3,373,119.
Kudlacik, Henry W. 3,393,333.
Kudlacik, Henry W. 3,408,516.
Kurowski, Victor J. 3,381,389.
Kydd, Paud H. 3,411,123.
Lackey, Dale F. 3,401,291.
Lackey, Dale F., and Spooner. 3,401,280.
Laendle, Karl W. 3,404,033.
Lafferty, James M. 3,366,435.
Lafferty, James M. 3,366,825.
Lafferty, James M. 3,378,712.
Lafferty, James M. 3,382,402.
Lafferty, James M. 3,394,281.
Lafuze, David L. 3,400,321.
Lafuze, David L. 3,419,785.
Lamberton, Clifford J. 3,392,326.
Lampkin, John O., Jr. 3,417,373.
Lane, Lawrence J. 3,369,171.
Lanzara, Edward M. 3,384,719.
Larsen, John E. 3,407,469.
Larsen, John E. 3,407,488.
Larsen, John E. 3,407,493.
Larsen, John E. 3,412,453.
Lass, James L., and Smith. 3,365,371.
Latter, Bruce B. 3,367,609.
Latter, Bruce B., and Slayman. 3,398,553.
Laubenheimer, Robert W. 3,412,349.
Laufer, John C., Sr. 3,373,902.
Laufer, John C., Sr. 3,378,905.
Laug, Ernst P. 3,405,252.
Lavash, John P., Williams, Freberg, and Spencer. 3,402,-656.
Lawrence, Jackson. 3,376,121.
Lawton, Elliott J. 3,362,897.
Lawton, Elliott J., and Balwit. 3,392,096.
Le Doux, William A. 3,377,551.
Lee, Thomas H. 3,411,038.
Lee, Thomas H., and Liao. 3,393,338.
Leopold, Richard F., Ashley, and Spawn. 3,383,986.
Levinstein, Moses A., and Grenier. 3,415,672.
Lewis, Ernest E. 3,368,425.
Liao, Tseng W. 3,376,458.
Libby, Henry T. 3,391,269.
Libby, Henry T., and Pennell. 3,391,268.
Linger, Harrison K. 3,384,735.
Loehle, Max J. 3,381,518.
Loncrini, Donald F. 3,407,176.
Long, Glen F. 3,398,390.
Lovinger, Daniel, and Eppert. 3,400,299.
Ludewig, Frederick A., Jr. 3,412,324.
Lustenader, Edward L., and May. 3,892,712.
Lynch, Henry E., Alford, and Campbell. 3,365,173.
Lyons, Ernest H., Jr., and Dempsey. 3,396,091.
MacCallum, Robert B., and Summers. 3,388,340.
MacFadyen, Kenneth W., Perlowski, and Sherer. 3,413,-404.
MacKenzie, John D. 3,378,362.
Macoicz, Edward L. 3,377,093.
Macoicz, Edward L. 3,394,726.
Maier, Cletus E. 3,375,395.
Mankoff, Lawrence L., and Nakata. 3,382,412.
Mansfield, Walter C., Jr. 3,386,063.
Manteuffel, Erich W. 3,383,574.
Mapham, Neville W., and Kelley. 3,406,327.
Marcotte, George M., and Norman. 3,377,520.
Marr, Jules W. 3,411,073.
Marshall, Richard A. 3,882,387.
Martin, Donald L. 3,392,055.
Martin, Donald L. 3,410,733.
Martin, Elmer E., Brandon, Summers, and Zagorski. 3,401,281.
Martin, Robert L. 3,406,374.
Martiniak, Leonard J. 3,371,535.
Martyny, William C., and Underwood. 3,409,792.
Marvin, Ira E. 3,377,848.
Matteo, Donald N. 3,367,604.
Maxwell, Hugh S. 3,386,321.
McCarty, Lewis V. 3,364,375.
McClintic, Bruce F., and Hughes. 3,397,759.
McDonald, William J., and Bynum. 3,370,676.
McDonough, Edward C., and Howald. 3,365,172.
McFadyen, Robert J., and Schlereth. 3,392,287.
McHugh, James D. 3,384,427.
McKinstry, William S. 3,362,030.
McLean, James O. 3,362,086.
McMillan, Stephen L. 3,408,834.
Meagher, George L. 3,362,188.
Mehr, Hans P. 3,367,579.
Mehr, Hans P. 3,409,228.
Meiklejohn, William H. 3,386,089.
Mellyn, Lawrence P., and Roberts. 3,402,493.
Mentink Raymond C., and Shadd. 3,378,684.
Merrill, Duane F. 3,375,223.

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Miller, Clarence J. 3,373,482.
Miller, Clarence J. 3,373,483.
Miller, Clarence J. 3,378,914.
Miller, Meritt L. 3,407,471.
Miller, Meritt L. 3,407,487.
Miller, Richard H. 3,380,009.
Miller, Richard H. 3,390,239.
Millikan, Roger C. 3,417,230.
Minnich, Stephen H. 3,382,315.
Mishkovsky, Victor. 3,419,791.
Mitoff, Stephan P. 3,404,039.
Mitoff, Stephan P., Tragert, and Fullman. 3,404,040.
Mohler, Donald, and Salomon. 3,365,626.
Molbach, Arne. 3,402,813.
Mongesku, William O. 3,416,486.
Mongesku, William O., and Scott. 3,362,732.
Moore, Clinton C. 3,383,033.
Moore, Marshall G. 3,380,264.
Moore, Marshall G. 3,407,912.
Moore, William R., and Zeigler. 3,378,767.
Morgan, Raymond E. 3,372,327.
Morgan, Raymond E. 3,414,797.
Morgan, Raymond E., and Bedford. 3,376,492.
Morgan, Raymond E., and McMurray. 3,418,558.
Morris, Herbert E. 3,363,160.
Mosher, Ralph S. 3,378,028.
Moyer, Wayne B., and Gentile. 3,412,977.
Mrowka, Joseph J. 3,375,411.
Mrowka, Joseph J., and Powell. 3,403,299.
Mrowka, Joseph J., and Powell. 3,403,301.
Mullings, Donald M., and Nash. 3,390,832.
Munday, James C., and Neale. 3,364,379.
Mundschenk, Glenn R. 3,373,621.
Murphy, Cornelius B. 3,410,662.
Murphy, Cornelius B. 3,416,896.
Murphy, Robert A. 3,379,659.
Murray, David. 3,411,095.
Murray, Maurice W. 3,371,228.
Mustain, William G. 3,382,426.
Myskowski, Edwin T. 3,390,492.
Nadzam, John P., Pastewka, and Walter. 3,383,485.
Narbus, Joseph J., and Frind. 3,376,459.
Navias, Louis. 3,408,222.
Necker, William C., and McVey. 3,411,035.
Nelson, John D., and Mufatti. 3,382,213.
Nelson, Ronald N. 3,373,485.
Neugebauer, Constantine A. 3,362,214.
Newberry, Sterling F. 3,384,901.
Newhouse, Vernon L., and Drapeau. 3,373,410.
Nichols, Frank S., Lipsey, and Nonken. 3,388,211.
Nichols, Frank S., Lipsey, and Nonken. 3,388,212.
Nicklas, William H. 3,404,302.
Niedrach, Leonard W. 3,393,100.
Nielsen, Edward G., and Stranddorf. 3,392,236.
Nielsen, John M. 3,383,356.
Nielsen, John M. 3,385,876.
Nielsen, John M. 3,389,159.
Nielsen, John M. 3,412,128.
Nielsen, John M. 3,418,266.
Niemann, Robert A. 3,397,321.
Nilson, Ronald R. 3,372,644.
Nowosielski, Peter. 3,384,736.
Nozaki, Michio B. 3,409,717.
Olson, Robert D. 3,409,524.
Omer, Kenner S. 3,417,866.
Omohundro, William A. 3,385,516.
Oster, Lloyd R. 3,363,101.
Ottinger, James A. 3,365,071.
Owen, Louis L. 3,395,534.
Payette, Lionel J. 3,400,172.
Payette, Lionel J. 3,404,197.
Paynter, Donald A. 3,388,319.
Peabody, Earl P. 3,389,226.
Peaslee, Lawrence R., and Lafuze. 3,417,293.
Penn, William B. 3,365,600.
Petrie, Adelore F. 3,365,545.
Pinaire, Lonnie W., and Lingen. 3,416,754.
Pletenik, Andrew, and Butman. 3,393,335.
Plette, David L., and Kyzer. 3,370,221.
Plette, David L., and White. 3,417,254.
Plock, Eugene V. 3,419,427.
Polinko, George, Jr. 3,395,443.
Polito, Anthony J. 3,362,908.
Pomfrett, John M. 3,384,771.
Porter, Joseph W. 3,372,258.
Porter, Joseph W. 3,372,259.
Potter, Ralph M. 3,374,176.
Powell, David B. 3,383,486.
Powell, Noble R. 3,371,281.
Prehmus, George F. 3,412,375.
Puffer, Daniel W., Dempsey, and Fickett. 3,403,054.
Purdy, William C., and Schnorr. 3,418,459.
Putz, John L. 3,414,844.
Quay, Robert, and Willyoung. 3,395,299.
Quinn, Joseph G. 3,416,534.
Raillard, Heinz, and Schindler. 3,385,982.
Rankins, Kenneth E. 3,368,120.
Raymond, Mark H. 3,408,028.
Rayno, Glenn D. 3,377,510.
Rayno, Glenn D. 3,389,311.
Reddish, Alan, and Ward. 3,384,779.
Redington, Rowland W. 3,401,107.
Rehberg, Thomas R. 3,409,004.

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Rehberg, Thomas R., and Brown. 3,409,003.
Reid, Robert A. 3,404,466.
Reilly, Hugh T., and Van Luik. 3,410,663.
Reisch, George J. 3,399,911.
Rex, Charles H. 3,398,274.
Rex, Charles H., and Brom. 3,398,273.
Reynolds, John S. 3,376,517.
Richardson, George, Ferren, and Denley. 3,364,720.
Richards, John C. 3,403,365.
Rieke, Richard J., and Landin. 3,391,569.
Ringwall, Carl G., and Boothe. 3,366,327.
Robb, Walter L. 3,369,343.
Roberts, John A. 3,363,451.
Roberts, John A. 3,390,324.
Roberts, John M. 3,378,456.
Roberts, John M. 3,380,649.
Roberts, Richard W. 3,378,393.
Robertson, Ernest C. 3,377,480.
Robins, Floyd B. 3,404,372.
Roche, Jean A. 3,403,342.
Rodbell, Donald S. 3,402,386.
Rosenberry, George M., Jr. 3,378,754.
Rosenberry, George M., Jr. 3,383,581.
Rosenberry, George M., Jr. 3,416,061.
Ross, Earl W. 3,415,641.
Ross, Irvine E. 3,368,131.
Ross, Wilfred T., and Venler. 3,378,458.
Rouault, Charles L. 3,403,394.
Rowell, Ralph M. 3,413,853.
Ruppert, Keith D. 3,364,442.
Ruppert, Keith D. 3,404,311.
Rushing Raymond G. 3,407,473.
Rushing, Raymond G. 3,407,482.
Rushing, Raymond G. 3,407,494.
Ryckman, William D., Jr. 3,418,454.
Sabatella, Robert J. 3,404,317.
Sabonis, Charles J. 3,388,298.
Sabonis, Charles J. 3,390,903.
Safford, Moyer M. 3,410,553.
Sakshaug, Eugene C. 3,366,822.
Sandford, Phillip A., and Somers. 3,410,984.
Sargent, Donald E., and Safford. 3,378,507.
Saum, George A. 3,407,322.
Savage, Robert H. 3,374,117.
Schafer, Halvert. 3,395,979.
Scheldorf, Owen H., and Rogers. 3,374,944.
Schlesinger, Kurt. 3,375,390.
Schmidt, Kurt. 3,384,798.
Schmukler, Seymour. 3,374,203.
Schmukler, Seymour. 3,383,395.
Schmukler, Seymour. 3,396,146.
Schmukler, Seymour. 3,406,147.
Schoch, Karl F., and Dahl. 3,399,691.
Schoendube, Charles W., and Prior. 3,388,320.
Schrom, Edward C. 3,401,473.
Schrumpf, Dale A. 3,375,400.
Schulze, James L. 3,367,566.
Selin, Terry G. 3,364,244.
Selin, Terry G. 3,394,161.
Shenian, Popkin. 3,375,125.
Sherlin, Robert E. 3,400,337.
Sherman, George R. 3,392,720.
Shinn, Jeffrey N. 3,392,741.
Shive, William M. 3,374,958.
Shumard, Kermit J., and McDonald. 3,395,924.
Siebold, Donald J. 3,398,238.
Simpson, James W., and Brennan. 3,365,655.
Sims, Chester T., and Foster. 3,383,205.
Sims, Marion W. 3,412,452.
Sisler, Robert R. 3,363,648.
Smith, Ivie L. 3,374,179.
Smith, Ivie L. 3,379,649.
Smith, Ivie L. 3,389,089.
Smith, James M., and Sylvan. 3,408,732.
Smith, Richard J. 3,396,664.
Smith, Sidney R., Jr. 3,366,761.
Smith, Sidney R., Jr. 3,366,762.
Smith, Sidney R., Jr. 3,417,216.
Smotherman, William C. 3,391,379.
Smuland, Robert J. 3,362,681.
Snyder, Paul V. 3,363,089.
Solheim, Karsten. 3,396,966.
Somers, Lewis E. 3,406,405.
Sours, William A. 3,418,705.
Spacil, Henry S. 3,402,078.
Spauschus, Hans O., and Huttenlocher. 3,375,197.
Spencer, William R., and Thomas. 3,377,924.
Spraker, Leon G. 3,366,941.
Staats, James E. 3,377,562.
Staats, James E. 3,388,231.
Staats, James E. 3,413,516.
Staples, Paul R. 3,379,189.
Stauffer, Lynn H. 3,414,702.
Steele, Jack E., Jr. 3,401,314.
Steen, Floyd L. 3,419,757.
Stenger, Richard E. 3,408,812.
Stevens, Clarence M. 3,384,702.
Stoffer, Lewis J. 3,403,844.
Stoffer, Lewis J. 3,403,893.
Stoffer, Lewis J., and Erwin. 3,365,126.
Stokes, Kenneth J. 3,412,291.
Stoll, Donald H. 3,361,890.
Strack, Charles E. 3,391,927.
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Strong, Herbert M. 3,407,445.
Strout, Frederick D. 3,396,377.
Swann, Carter H. 3,373,267.
Swartz, Paul S. 3,378,691.
Swetnam, Norman T. 3,384,098.
Swim, William A., and Kellogg. 3,413,541.
Switzer, John R., and Erwin. 3,369,737.
Sylvan, Tage F. 3,371,227.
Szabo, Louis J. 3,381,328.
Szeremy, Norman, and Pelczynski. 3,404,226.
Taillon, John K. 3,379,868.
Tefft, Edward G. 3,372,318.
Teller, Howard S., Jr. 3,390,353.
Thomas, Henry P. 3,373,381.
Thomas, Peter S., and Maguire. 3,385,727.
Thompson, Bradley R. 3,364,470.
Thompson, Richard L. 3,408,501.
Tiemann, Jerome J. 3,417,328.
Toma, Daniel N. 3,362,422.
Toma, Daniel N. 3,374,744.
Toma, Daniel N. 3,399,693.
Toomey, Myron D. 3,378,230.
Towlson, Howard E. 3,385,991.
Trocki, Thomas, and Olich. 3,395,781.
Turner, Charles S. 3,370,183.
Twomey, Thomas J. 3,411,121.
Vandegraaf, Johannes J. 3,414,826.
Vanderlaan, Henry J. 3,367,226.
Vanderlaan, Henry J., and Graser. 3,385,923.
Van Horn, Milton A., Jr. 3,382,023.
Van Sickler, Robert H., and Dagley. 3,390,299.
Van Sickler, Robert H., and Dagley. 3,408,719.
Vaughn, Howard A., Jr. 3,367,955.
Vaughn, Howard A., Jr. 3,419,634.
Vaughn, Howard A., Jr. 3,419,635.
Venable, Lawrence B. 3,365,251.
Venable, Lawrence B. 3,378,104.
Venable, Lawrence B. 3,382,670.
Vermilyea, David A. 3,378,471.
Vodicka, Vincent. 3,379,174.
Vodicka, Vincent. 3,384,770.
Vitt, Hillert. 3,378,817.
Von Fange, Eugene K. 3,370,211.
Von Fange, Eugene K. 3,373,371.
Von Fange, Eugene K. 3,396,341.
Von Fange, Eugene K., and Weiner. 3,365,621.
Wagner, James B. 3,367,369.
Wagner, James B. 3,382,880.
Wagner, James B. 3,407,826.
Wanger, Robert P. 3,367,605.
Ward, William J., III, and Robb. 3,396,510.
Waters, James L., and Slonneger. 3,381,197.
Watrous, Donald L. 3,387,143.
Watrous, Donald L., and Harnden. 3,408,825.
Watters, Robert L. 3,386,085.
Watters, Robert L. 3,386,086.
Watters, Robert L. 3,408,570.
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Werner, Horst R. 3,390,298.
Werner, Joachim P. 3,402,373.
Weinberger, Sanford M. 3,374,037.
Weis, Joseph H. 3,418,241.
Weiser, Earnest F. 3,378,743.
Weiser, Earnest F. 3,378,746.
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Welch, Stanley B. 3,419,428.
Werts Everett W. 3,379,863.
Whipple, Richard E. 3,396,356.
White, Donald W. 3,416,967.
White, Donald W., Jr. 3,402,230.
White, Dwain M. 3,367,978.
White, Dwain M. 3,408,366.
White, James A. 3,385,284.
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Wilbur, Donald A., and Hess. 3,386,047.
Wilcock, Donald F. 3,380,788.
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Wilcox, Albert F. 3,371,876.
Wilk, Edmund J. 3,365,535.
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Willey, Dale E. 3,382,960.
Willyoung, David M. 3,408,517.
Wilson, Jerry D. 3,395,207.
Wilson, John. 3,364,374.
Wilson, William P. 3,400,314.
Winkler, William K. 3,404,258.
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Wlodek, Stanley T. 3,383,206.
Wlodek, Stanley T. 3,403,021.
Wolfe, Bertram. 3,400,049.
Wolters, Gerard C. 3,400,221.
Womack, David R., Jr. 3,387,236.
Wood, David E. 3,386,035.
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Woodworth, John L. 3,401,304.
Worcester, Joseph A. 3,368,150.
Worst, Joseph C. 3,373,501.
Wright, Archibald N., and Mathewson. 3,372,672.
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Wu, Tse C. 3,400,145.
Young, Warren D. 3,416,024.
Zagorski, Wladyslaw S. 3,401,282.
Zerfoss, Robert W. 3,398,291.
Ziegler, Edwin E. 3,364,588.
Ziemba, Richard T., and Wolf. 3,397,640.
Zimmer, John S. 3,394,325.
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Pratt, Geoffrey. 3,375,466.
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Thomas, Edward J., and Williams. 3,361,998.
Warburton, Clive R. 3,414,827.
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Wilkes, John G. 3,401,056.
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Rogier, Edgar R. 3,398,164.
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Addie, Albert N., and Hart. 3,368,613.
Adsit, Norman L. 3,401,872.
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Aldrich, William L., Jr., and De Beaubien. 3,388,654.
Allen, Robert L. 3,411,794.
Altson, Ralph. 3,365,255.
Amlott, Norman J., and Karn. 3,413,780.
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Andrews, Howard K., and Dabkowski. 3,411,816.
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Baig, Muhammad L. 3,417,005.
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Barcus, Edward L. 3,363,071.
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Bassett, Arthur T., Jr., and Siegla. 3,406,278.
Bauman, Robert H. 3,378,109.
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Baynes, Gene P. 3,367,452.
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Beam, Paul E., Jr., and Spears. 3,386,243.
Beatenbough, Paul K., Richards, Rogers, and Scherer. 3,377,022.
Beck, Roger W., and Baldwin. 3,366,862.
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Bishop, Gary E., and Bramley. 3,386,535.
Blatt, Rudolph W., Behler, and Bramley. 3,366,770.
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Blum, Jack F., Fournier, and Kesten. 3,408,524.
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Bohnhoff, Arthur F. 3,367,456.
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Bond, William D. 3,389,305.
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Boutwell, Frederick K., Wenbel, and Charters. 3,373,758.
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Brett, Tom H., Norwick, and Rose. 3,411,820.
Brewer, Lee M., Engelhardt, Rohde, and Yonker. 3,419,-208.
Brian, Michael. 3,378,291.
Bright, James A., and O'Connell. 3,375,677.
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Brinkman, Thomas J., and Fogt. 3,361,398.
Brock, Eugene W. 3,383,552.
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Brown, Richard C., and Hanson. 3,368,615.
Brubaker, Robert F., Hoffman, and Bullock. 3,367,153.
Brummett, Earl R. 3,368,612.
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Buchwald, Robert M. 3,361,000.
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Buckman, Kenneth E. 3,361,260.
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Buehler, Ervin R. 3,374,438.
Bunnell, Roland J. 3,371,905.
Burch, Richard C. 3,389,010.
Burns, Sylvester F. 3,362,740.
Burns, Sylvester F., and Goeman. 3,378,295.
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Burrus, Paul B., and Rill. 3,362,560.
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Carella, Richard F. 3,383,945.
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Eick, Albert R., Racine, and Lawless. 3,377,698.
Elbert, Thomas E. 3,360,996.
Elliott, Harold V. 3,364,319.
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Erickson, William F. 3,403,757.
Fales, Douglas I., Colling, and Perry. 3,410,362.
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Foley, Charles W. 3,394,957.
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Ford, Gerald M. 3,363,142.
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Gallant, Raymond A. 3,367,354.
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Gau, Gerard. 3,379,241.
Gaubatz, Arthur W. 3,365,125.
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Geller, Rodger E. 3,364,785.
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Hughes, Walton. 3,389,193.
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Hyde, A. P., and Pasek. 3,392,523.
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Jacobs, James W. 3,361,342.
Jacobs, James W. 3,364,693.
Jacobs, James W. 3,365,639.
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George, Michael P., deceased, by J. S. George, executrix. Telescopic antenna. 3,380,062, 4–23–68, Cl. 343—903.
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George, Peter D. Modular lathes. 3,387,515, 6–11–68, Cl. 82—2.
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Gerard, William A., to Westinghouse Electric Corp. Frequency stable coaxial magnetron utilizing low coefficient of thermal expansion material. 3,381,168, 4–30–68, Cl. 315—39.75.
Gerard, William A., to Westinghouse Electric Corp. Coaxial magnetron with improved thermal dissipation. 3,383,551, 5–14–68, Cl. 315—39.77.
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Gericke, Erich, to Rotoprint Gesellschaft mit beschrankter Haftung. Cylinder interrupter for a rotary offset printing and duplicating machine. 3,366,048, 1–30–68, Cl. 101—218.
Gerlach, Rudolph F. Two-way switch means for conveyor system. 3,403,767, 10–1–68, Cl. 198—20.
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Germen, Ustun, to Radio Corp. of America. Position indicating apparatus. 3,365,568, 1–23–68, Cl. 235—61.11.
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Germerdonk, Rolf, K. Bockmann, and E. Schoenert, to Farbenfabriken Bayer Aktiengesellschaft. Vertical rotatory wiped film evaporator. 3,366,157, 1–30–68, Cl. 159—6.
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Moshy, Raymond J., and Germino. 3,404,691.
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Gerry, Martin E. ½ to Aaron L. Sandberg. Multiple time zone timepiece. 3,382,666, 5–14–68, Cl. 58—42.5.

Gerry, Martin E., ½ to A. L. Sandberg. Sound synchronized cartridge. 3,389,953, 6–25–68. Cl. 352—78.

Gersbacher, Harry C., to United Aircraft Products, Inc. Method of making plate and fin heat exchangers. 3,377,684, 4–16–68, Cl. 29—157.3.

Gersbacher, Harry C., to United Aircraft Products, Inc. Low dimensional tolerance welding method. 3,408,729. 11–5–68, Cl. 29—493.

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Gershen, Bernard J., to General Motors Corp. Automatic polarity selector. 3,413,487, 11–26–68, Cl. 307—127.

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Gibble, Walter P., to Hunt Foods and Industries, Inc. Packaging of salad oils and the like. 3,406,080, 10–15–68, Cl. 99—171.

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Gilano, Michael N., I. W. Martenson, and L. H. Ott. Photosensitive prepolymer composition and method. 3,376,139, 4–2–68, Cl. 96—35.1.

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Gilbert, Brian, to Joseph Lucas (Industries) Ltd. Spark ignition system. 3,399,658, 9–3–68, Cl. 123—148.

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Gilbert, Everett E., O. A. Barton, R. M. Hetterly, E. R. Degginger, and C. R. McArthur. Epoxy resins and preparation thereof. 3,361,717, 1–2–68, Cl. 260—47.

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Gilbert, Herman S., to The Dow Chemical Co. Purification of dry cleaning solvents. 3,368,678, 2–13–68, Cl. 210—75.

Gilbert, Herman S., to The Dow Chemical Co. Dry cleaning method. 3,384,445, 5–21–68, Cl. 8—142.

Gilbert, Hiram G., to The Raymond Corp. System to disconnect a motor responsive to low battery voltage. 3,389,325, 6–18–68, Cl. 320—31.

Gilbert, Hiram G., to The Raymond Corp. Acceleration control device for an electric motor including a unijunction transistor and a controlled rectifier. 3,390,318, 6–25–68, Cl. 318—422.

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Gilbert, Reginald L. G., to Canadian Patents and Development Ltd. Deep-water wave recorder. 3,383,915, 5–21–68, Cl. 73—170.

Gilbert, Richard S. Arranging and counting apparatus. 3,386,618, 6–4–68, Cl. 221—12.

Gilbertson, Lynn A., to Honeywell Inc. Control apparatus for air treating systems. 3,418,068, 12–24–68, Cl. 21—74.

Gilbertson, Oswald I., and O. Kaczmarsky, to Western Electric Co. Inc. Method of and apparatus for testing cross section and continuity of and the separation between a plurality of conductors. 3,414,814, 12–3–68, Cl. 324—73.

Gilbos, Paul, to Constructiewerkhuizen Gilbos P.V.B.A. Skeinholder for unwinding skeins of thread. 3,408,022, 10–29–68, Cl. 242—110.1.

Gilbreath, Benjamin F., to Texas Instruments Inc. Serially connected SCR circuit for switching AC power to a load. 3,414,738, 12–3–68, Cl. 307—252.

Gilbreath, Benjamin F., and D. L. Brown, to Texas Instruments Inc. Solid state overload current controller. 3,414,778, 12–3–68, Cl. 317—148.5.

Gilbreath, Lawrence E. Car trunk lid luggage bag. 3,393,845, 7–23–68, Cl. 224—29.

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Radcliffe, Milton R., Simmonds, and Gilbride. 3,409,174.

Gilbride, Andrew J., to United Shoe Machinery Corp. Toe lasting machines. 3,376,591, 4–9–68, Cl. 12—8.8.

Gilch, Heinrich, to Farbenfabriken Bayer Aktiengesellschaft. Electrolytic method for preparing polyamides. 3,419,482, 12–31–68, Cl. 204—62.

Gilch, Heinrich, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Process of making polyamide foams. 3,382,195, 5–7–68, Cl. 260—2.5.

Gilch, Heinrich G., to Union Carbide Corp. Electrolytic preparation of poly-p-xylylenes. 3,399,124, 8–27–68, Cl. 204—72.

Gilchrist, Allan E., to Ford Motor Co. Method of maintaining bath composition in continuous electrodeposition process. 3,362,899, 1–9–68, Cl. 204—181.

Gilchrist, Allan E., to Ford Motor Co. Electrodeposition with organic acid resins having mineral acid groups attached thereto. 3,382,165, 5–7–68, Cl. 204—181.
Gilchrist, Henry R., and A. J. Kochis, to O. C. Eckel. Door with sealing means. 3,384,996, 5–28–68, Cl. 49—383.
Gilchrist, James J.: *See*—
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Gilchrist, James M., Jr. Method of marking covered items. 3,392,501, 7–16–68, Cl. 53—14.
Gilchrist, James R., to Truly-Magic Products, Inc. Liquid and paste/applicator. Re. 26,385, 5–7–68, Cl. 15—210.
Gilchrist, Ralph E., to Phillips Petroleum Co. Reduction of coke formation during in situ combustion. 3,363,686, 1–16–68, Cl. 166—11.
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Gilchrist, Ralph E., and R. J. Sonnenfeld, to Phillips Petroleum Co. Process for oil production by steam injection. 3,379,249, 4–23–68, Cl. 166—11.
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Gilchrist, Reginald S., and D. A. E. Mattingly, to The Klinger Mfg. Co. Ltd. Apparatus for crimping yarn. 3,407,586, 10–29–68, Cl. 57—34.
Gilchrist, Robert F., to Vega Mfg. Corp. Lock coupling for pipe. 3,384,392, 5–21–67, Cl. 285—105.
Gilchrist, Thomas: *See*—
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Gildart, Richard F., to Rehrig Pacific Co. Reinforced milk crate. 3,419,182, 12–31–68, Cl. 220—78.
Gilday, John F., and G. L. Rodriguez, to Bell Aerospace Corp. Rotor blade strike indicator. 3,417,729, 12–24–68, Cl. 116—114.
Gilderson, Peter W.: *See*—
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Gilderson, Peter W., S. F. Newman, and L. C. Fetterly, to Shell Oil Co. Crystalline metaboric acid by hydrolysis of secondary alkyl borate ester. 3,415,621, 12–10–68, Cl. 23—149.
Gildon, Walter J., and T. G. Ferguson. Control systems for aerial missiles and like vehicles. 3,410,505, 11–12–68, Cl. 244—3.22.
Gile, Clarence L.: *See*—
Thompson, Andy L., and Gile. 3,366,414.
Gile, Richard M.: *See*—
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Giles, Algy F., Jr. Rotor-blade. 3,399,731, 9–3–68, Cl. 170—159.
Giles, Alonzo R., to G. & M. Power Plant Co. Ltd. Power driven pruning saws. 3,373,489, 3–19–68, Cl. 30—167.
Giles, Charles L., to Polaroid Corp. Color television system with means for preventing kinescope misregistration. 3,413,409, 11–26–68, Cl. 178—5.4.
Giles, John S., to Phoenix Metal Cap Co., Inc. Pressure sealing jar lid. 3,373,889, 3–19–68, Cl. 215—40.
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Gilgore, William H.: *See*—
Messerly, Gary A., Royer, and Gilgore. 3,395,653.
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Gilker, Clyde, to McGraw-Edison Co. Repeating circuit interrupter. 3,405,318, 10–8–68, Cl. 317—22.
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Gill, John F. Base for supporting drill presses on columns. 3,402,908, 9–24–68, Cl. 248—231.
Gill, John L., Jr. Precision signal processor for pulse duration modulation telemetry. 3,371,280, 2–27–68, Cl. 325—323.
Gill, Joseph, and G. Rouvalis, to Westinghouse Electric Corp. Direct current tachometer system. 3,406,317, 10–15–68, Cl. 317—5.
Gill, Laurence D., to SCM Corp. Substantially anhydrous ceramic glazes in propellant-type cans. 3,383,344, 5–14–68, Cl. 260—22.
Gill, Melville K., to Tennessee Corp. Rigid barge. 3,376,841, 4–9–68, Cl. 114—73.
Gill, Merrion D., to Westinghouse Electric Corp. Electrical integrating meters having dustproof enclosures. 3,413,549, 11–26–68, Cl. 324—137.
Gill, Merrion D., and E. G. Bezgela, to Westinghouse Electric Corp. Removable bearings. 3,397,929, 8–20–68, Cl. 308—10.
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Gill, Peter H., to Submarine Cables Ltd. Method and apparatus for providing moulded joints or repairs. 3,368,006, 2–6–68, Cl. 264—36.
Gill, Peter J., to G. K. N. Group Services Ltd. Method of tightening high strength bolts and apparatus for use therein. 3,389,623, 6–25–68, Cl. 81—52.3.
Gill, Roger F., and R. W. Larson, to General Cable Corp. Method for coating the inside of continuously welded pipe. 3,394,450, 7–30–68, Cl. 29—430.
Gill, Ronald Y., to International Standard Electric Corp. Method and apparatus for producing insulated electrical conductors. 3,404,050, 10–1–68, Cl. 156—52.
Gill, Thomas R., to GS Equipment Co. Plating barrels. 3,394,071, 7–23–68, Cl. 204—213.
Gill, Truman F. Lure container with self-contained tension retained closure. 3,395,788, 8–6–68, Cl. 206—45.34.
Gillam, Edward D., to Comly-Gillam Carton Corp. Sliding tray packages. 3,395,849, 8–6–68, Cl. 229—19.
Gilland, Willard L. Ladder leg equalizers. 3,414,082, 12–3–68, Cl. 182—204.
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Gillen, Floyd M.: *See*—
Bienert, Walter B., and Gillen. 3,407,037.
Giller, Solomon A., L. A. Wolf, and A. I. Meos. Method for imparting antimicrobic properties to polyvinyl alcohol articles. 3,390,008, 6–25–68, Cl. 117—138.5.
Gilles, Auguste, to Societe a Responsabilite Limitee dite: Gaz-Transport. Tank for liquefied gas. 3,399,800, 9–3–68, Cl. 220—15.
Gilles, Auguste, to Societe a Responsabilite Limitee dite: Gaz-Transport. Integral tank for transporting liquefied gas. 3,403,651, 10–1–68, Cl. 114—74.
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Gillespie, Robert D.: *See*—
Mizelle, Adrian C., and Gillespie. 3,405,503.
Gillespie, Robert V. Fence gate. 3,390,484, 7–2–68, Cl. 49—131.
Gillespie, Sidney L., to Woodward Governor Co. Converter clutch with governor and transmission selector control. 3,390,594, 7–2–68, Cl. 74—732.
Gillespie, Warren, Jr., to United States of America. National Aeronautics and Space Administration. Method of making an inflatable panel. 3,373,069, 3–12–68, Cl. 156—285.
Gillet, Charles, to Societe Anonyme dite: Vallourec. Automatic equipment for galvanizing tubes. 3,410,200, 11–12–68, Cl. 118—423.
Gillet, Charles E., to Societe Anonyme dite: Vallourec. Bench for pneumatically testing the impermeability of tubes. 3,383,906, 5–21–68, Cl. 73—45.5.
Gillett, Jimmie D., to Varo, Inc. Phase demodulated high frequency inverter. 3,409,817, 11–5–68, Cl. 321—5.
Gillett, Jimmie D., to Varo, Inc. Self-balancing multiple half bridge. 3,409,818, 11–5–68, Cl. 321—27.
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Fütterer, Bodo. 3,409,984.
Hantman, Lionel L. 3,416,543.
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Laden, Karl. 3,374,097.
Lowry, Alan B. 3,373,904.
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Maliff, John D. 3,385,425.
Nissen, Warren I. 3,375,578.
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Schroeder, George A. 3,407,975.
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Gillette, Garry C., J. A. Nelson, and N. C. Walker, to Dana Laboratories, Inc. Instrumentation system for providing a representative output from either an A.C. or a D.C. input. 3,382,451, 5–7–68, Cl. 330—147.
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Gillies, Wallace, and G. K. Yamasaki, to Westinghouse Electric Corp. Electron discharge device for emission of atomic resonance lines. 3,405,304, 10–8–68, Cl. 313—218.
Gilligan, Thomas E., to Burroughs Corp. Binary signal voltage level standardizer. 3,384,765, 5–21–68, Cl. 307—268.
Gilligan, Thomas E., to Burroughs Corp. Cross-coupled flip-flop employing series, input diode connected to output of or gate forming part of cross-couples. 3,402,305, 9–17–68, Cl. 307—292.
Gilliland, James R., to The Dexter Corp. Electrically conductive resinous compositions. 3,412,043, 11–19–68, Cl. 252—514.
Gillis, Donald M., 49% to S. Grennebaum. Roofing. 3,418,777, 12–31–68, Cl. 52—520.
Gillis, James M. Combined vehicle radiator and refrigerant condenser. 3,396,779, 8–13–68, Cl. 165—42.
Gillis, John A., and R. W. Hayes, to Hunt Mfg. Co. Slow-drying latex paints comprising urea-polyol solutions. 3,374,-196, 3–19–68, Cl. 260—29.6.
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Gillman, William J. Clinker cooler grate plates. 3,374,553, 3–26–68, Cl. 34—164.
Gillman, William J. Grate support frame for clinker cooler. 3,388,481, 6–18–68, Cl. 34—164.
Gillono, Matteo, and P. Alberto. Automatic apparatus for binding broken yarns on spinning machines. 3,373,551, 3–19–68, Cl. 57—34.
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Gilman, Carl E., C. Abbondante, and D. A. Senour, to BLH Electronics, Inc. Extended-range indicating instruments. 3,405,359, 10–8–68, Cl. 324—131.
Gilman, Charles M., to The Gilman Brothers Co. Dry solids continuous blending and conveying apparatus. 3,410,530, 11–12–68, Cl. 259—4.
Gilman, Frederick C., to Worthington Corp. System for collecting gases and vapors from the suction side of tanker unloading pumps and discharging them with the cargo to shore storage. 3,362,337, 1–9–68, Cl. 103—113.
Gilman, Frederick C., to Worthington Corp. Rotary matrix, gas conditioning device. 3,385,573, 5–28–68, Cl. 261—24.
Gilman, Harold, T. W. Stein, and G. W. Whitten, to Halcon International, Inc. Water extractive distillation of an ethylene oxide stream containing formaldehyde. 3,418,338, 12–24–68, Cl. 260—348.
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Gilman, Paul B., to Eastman Kodak Co. Chemical amplification of photosensitive layers. 3,409,432, 11–5–68, Cl. 96—48.
Gilman, Paul B., Jr., and C. A. Goffe, to Eastman Kodak Co. Silver images in light-sensitive print-forming layers. 3,404,980, 10–8–68, Cl. 96—27.
Gilmont, Roger: *See*—
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Gilmont, Roger. Laboratory distilling apparatus. 3,395,083, 7–30–68, Cl. 202—83.
Gilmont, Roger, to Roger Gilmont Instruments, Inc. Pressure gauge. 3,417,622, 12–24–68, Cl. 73—400.
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Gilmont, Roger. 3,417,622.
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Gilmore, John E., 40% to J. Caiffouette, and 20% to H. Dodson. Apparatus and method for cleaning a cooling system. 3,413,149, 11–26–68, Cl. 134—22.
Gilmore, John F., and F. W. Hoeh, to Westinghouse Electric Corp. Instant-start fluorescent lamp having mixed fill gas and improved electrode structure. 3,369,143, 2–13–68, Cl. 313—206.
Gilmore, William J., to Beloit Eastern Corp. Top slitter adjustment. 3,380,330, 4–30–68, Cl. 83—482.
Gilmore, William J., to American Chain & Cable Co., Inc. Method of making push-pull cable with plastic lined casing. 3,381,363. 5–7–68, Cl. 29—434.
Gilmour, Alexander S., Jr., and F. A. Glori, to Cornell Aeronautical Laboratory, Inc. Method of ionic propulsion utilizing a laser-stimulated ionic emission. 3,392,527, 7–16–68, Cl. 60—202.
Gilovich, Paul A., and C. E. Miller, to Dohrmann Instruments Co. Strip chart recorder. 3,370,300, 2–20–68, Cl. 346—113.
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Tonjes, Burl D., and Cline. 3,367,498.
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Gimpel, Donald J., to Winsco Instruments & Controls Co., Inc. Electrical contact for use in fluid proof connectors. 3,368,181, 2–6–68, Cl. 339—61.
Ginder, Raymond M. Bowling ball and adjustable diameter finger receiving attachment therefor. 3,416,796, 12–17–68, Cl. 273—63.
Giner, Jose D., and J. H. Sizer, Jr., to Leesona Corp. Method of producing layer of cobalt oxide on nickel surface during fuel cell operation. 3,393,099, 7–16–68, Cl. 136—86.
Gingerich, John W.: *See*—
Smith, Reynold B., and Gingerich. 3,389,832.
Gingher, Carl E. Illuminated clothes hanger. 3,392,891, 7–16–68, Cl. 223—85.
Gingher, Carl E. Supporting base for a wardrobe rack. 3,409,-145, 11–5–68, Cl. 211—177.
Gingras, Marcel, to Dominion Corset Co. Ltd. Brassiere. 3,372,-698. 3–12–68, Cl. 128—489.
Gingras, Omer O. Gravure proof press. 3,413,918, 12–3–68, Cl. 101—158.
Gingras, Roch H. Safety device for fired pressure vessels. 3,387,593, 6–11–68, Cl. 122—504.1.
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Gingrich, John A., to Dover Corp. Control system for elevators including reed switch detectors for position and speed control. 3,407,905, 10–29–68, Cl. 187—29.
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Ginsberg, Leon, to Precision Electronic Components Ltd. Variable resistor. 3,414,862, 12–3–68, Cl. 338—180.
Ginsberg, Michael J., and R. H. Krock, to P. R. Mallory & Co., Inc. Method of wetting silicon nitride. 3,399,076, 8–27–68, Cl. 117—121.
Ginsburg, Herbert. Electric switch box supports. 3,362,667, 1–9–68, Cl. 248—27.
Ginsburgh, Irwin, to Standard Oil Co. Method and apparatus for neutralizing electrostatic charges in an electrically charged liquid. 3,383,560, 5–14–68, Cl. 317—2.
Ginsburg, Leon. High temperature vacuum firing porcelain furnace. 3,383,496, 5–14–68, Cl. 219—501.
Ginsburg, Milton. Adjustable wheel bogie arrangement for trailers. 3,365,211, 1–23–68, Cl. 280—81.
Ginsburgh, Irwin, H. J. Nebelsiek, and L. T. Wright, to Standard Oil Co. Fuel dispensing apparatus. 3,364,940, 1–23–68, Cl. 137—234.6.
Ginsburgh, Irwin, and L. T. Wright, to Standard Oil Co. Charge density meter. 3,384,813, 5–21–68, Cl. 324—32.

Ginsburgh, Irwin, E. Runes, H. J. Nebelsiek, and R. A. Sholtz, to Standard Oil Co. Vehicle positioning apparatus. 3,391,651, 7–9–68, Cl. 104—242.
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Ginther, Elwood I. Belt and tie holder. 3,419,239, 12–31–68, Cl. 248—215.
Ginther, Robert J., to United States of America, Navy. Thermoluminescent glass and method of preparing the same. 3,396,120, 8–6–68, Cl. 252—301.4.
Ginther, Russell J., to United States of America, Atomic Energy Commission. Cage for compressing packing members. 3,415,527, 12–10–68, Cl. 277—62.
Gintovt, Henry. Forming and disposing integrally connected conductors in rotor core slots. 3,371,410, 3–5–68, Cl. 29—598.
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Giolito, Silvio L., to Stauffer Chemical Co. Polymer compositions containing benzothioxole stabilizing materials. 3,370,034, 2–20–68, Cl. 260—45.8.
Giolito, Silvio L., to Stauffer Chemical Co. Phenolic and thiodiester-stabilized polyalpha-olefins. 3,398,116, 8–20–68, Cl. 260—45.85.
Gionco, Adriano. Press for stamping shaving agglomerate containers, process related thereto and containers thus obtained. 3,401,424, 9–17–68, Cl. 18—16.
Giondi, Leona A. Bicycle wire basket liner and cover. 3,396,885, 8–13–68, Cl. 224—32.
Gionet, Edmond R., to General Motors Corp. Guide roller assembly. 3,361,489, 1–2–68, Cl. 308—3.8.
Gionet, Edmond R., and D. A. Rossi, to General Motors Corp. Remote control rear view mirror. 3,370,480, 2–27–68, Cl. 74—501.
Giordano, Nicola: *See*—
Ferlazzo, Natale, Caporali, Giordano, and Marinozzi. 3,370,083.
Giordano, Nicola, G. Caporali, N. Ferlazzo, and L. Roberti, to Montecatini Edison S.p.A. Catalytic process for preparing unsaturated aldehydes. 3,410,910, 11–12–68, Cl. 260—604.
Giordano, Salvatore T., to United States of America, Atomic Energy Commission. High energy linear accelerator apparatus. 3,403,346, 9–24–68, Cl. 328—233.
Giordmaine, Joseph A., and P. M. Rentzepis, to Bell Telephone Laboratories, Inc. Optical liquid parametric devices with increased coherence length using dye. 3,389,269, 6–18–68, Cl. 307—88.3.
Giordmaine, Joseph A., and P. M. Rentzepis, to Bell Telephone Laboratories, Inc. Optical liquid parametric devices with increased coherence length using dye. 3,390,278, 6–25–68, Cl. 302—88.3.
Giorgi, Tiziano A.: *See*—
Della Porta, Paolo, Giorgi, and Rabusin. 3,388,955.
Della Porta, Paolo, Giorgi, and Rabusin. 3,389,288.
Giorgini, Pietro. Detachable charger for automatic shotguns. 3,399,481, 9–3–68, Cl. 42—87.
Giori, Francis A.: *See*—
Gilmour, Alexander S., Jr., and Giori. 3,392,527.
Giori, Gualtiero. Apparatus for checking numbering during printing of paper currency. 3,377,948, 4–16–68, Cl. 101—76.
Giori, Gualtiero. Process for removing intaglio ink from a wiping cylinder. 3,389,656, 6–25–68, Cl. 101—170.
Giori, Gualtiero. Process and an apparatus for checking bank notes or bills after their printing and before their packing. 3,412,993, 11–26–68, Cl. 270—1.
Giovanardi, Sandro: *See*—
Milano, Mario, and Giovanardi. 3,406,732.
Giovannucci, Julius L., to Revere Copper and Brass Inc. Lightweight panel. 3,386,221, 6–4–68, Cl. 52—586.
Giovannucci, Julius L., to Revere Copper and Brass, Inc. Cargo-supporting floor structure. 3,412,514, 11–26–68, Cl. 52—480.
Giraitis, Albert P., P. Kobets, and F. M. Beaird, Jr., to Ethyl Corp. Process of producing organohalosilanes. 3,398,171, 8–20–68, Cl. 260—448.2.
Girala, Anthony S.: *See*—
Sjoberg, Robert E., Girala, Ryan, and Ross. 3,396,575.
Giraldi, Orlando T. Tensioning device for spectacle frames. 3,387,910, 6–11–68, Cl. 351—113.
Giraldi, Pier N., and V. Mariotti, to Carlo Erba S.p.A. N-tertiary amino-alkylene-4- or 5-nitro imidazoles and their preparation. 3,399,193, 8–27–68, Cl. 260—247.5.
Giralt, Georges A.: *See*—
Buy-Ai, Fieux, Giralt, and Lacoste. 3,413,837.
Girard, Andre J., to Office National d'Etudes et de Recherches Aerospatiales. Apparatus for spectrometric analysis of radiant flux. 3,383,978, 5–21–68, Cl. 88—14.
Girard, Andre J., to Office National d'Etudes et de Recherches Aerospatiales. Aparatus for spectrometrically analysing and scanning a radiant flux. 3,411,851, 11–19–68, Cl. 356—83.
Girard, Arthur L., to Sprague Electric Co. Method of making an electrical capacitor. 3,374,515, 3–26–68, Cl. 29—25.42.
Girard, Denise, to Societe Nationale des Petroles d'Aquitaine. Sulphurized polyesters. 3,362,936, 1–9–68, Cl. 260—79.
Girard, Harry J.: *See*—
Knapp, Mary M., and Girard. 3,389,417.
Knapp, Mary M., and Girard. 3,403,418.
Knapp, Mary M., and Girard. 3,403,701.
Girard, Laurent H., to American Velcro, Inc. Fastening device. 3,391,434, 7–9–68, Cl. 24—204.
Girard-Perregaux et Cie, S.A.: *See*—
Besson, Francis, and Krebs. 3,397,530.
Girard, Peter F., to The Ryan Aeronautical Co. Flexible wing aerial delivery system. 3,381,919, 5–7–68, Cl. 244—49.
Girard, Peter F., to The Ryan Aeronautical Co. Gyrochute. 3,401,906, 9–17–68, Cl. 244—138.
Girard, Peter F., to The Ryan Aeronautical Co. Rotor supported flare. 3,412,680, 11–26–68, Cl. 102—35.4.
Girard, Peter F., and F. Landgraf, to The Ryan Aeronautical Co. Demountable aircraft with flexible wing. 3,361,388, 1–2–68, Cl. 244—48.
Girard, Rene. Projecting apparatus. 3,367,590, 2–6–68, Cl. 242—55.11.
Girard, Roland T., C. T. Sims, and H. R. Wisely, to General Electric Co. Protective ceramic coating. 3,397,080, 8–13–68, Cl. 117—129.
Girard, Theodore A., to Tenneco Chemicals, Inc. Polyvinyl halide resin compositions. 3,371,063, 2–27–68, Cl. 260—45.8.
Girard, Theodore A., to Tenneco Chemicals, Inc. Method of controlling plant growth. 3,375,096, 3–26–68, Cl. 71—122.
Girard, Theodore A., to Tenneco Chemicals, Inc. Process for the control of slime-forming and other microorganisms with 2,3,6-trichloro-5-nitrophenyl compounds. 3,411,983, 11–19–68, Cl. 162—161.
Girardi, Antonio L. Method of manufacturing extensible conveyor belts. 3,415,924, 12–10–68, Cl. 264—229.
Girardin, Howard N. Floating reamer holder. 3,364,798, 1–23–68, Cl. 77—3.
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Allais, Andre, and Girault. 3,410,842.
Girault, Pierre, to CSF Compagnie Generale de Telegraphie Sans Fil. Optical system for guiding a projectile. 3,398,918, 8–27–68, Cl. 244—313.
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Girdner, William I.: *See*—
Selsted, Walter T., and Girdner. 3,363,855.
Girdner, William I., to Hewlett-Packard Co. Magnetic head holding element. 3,404,242, 10–1–68, Cl. 179—100.2.
Gire, Etiene Y. I. M., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Valve devices. 3,365,165, 1–23–68, Cl. 25—118.
Girg, Friedrich, G. M. R. Lorentz, and G. Schultz, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Non-foaming synthetic resin dispersions with prolonged storability. 3,405,085, 10–8–68, Cl. 260—29.6.
Girgis, Magdy F. Method for peeling and processing grain. 3,419,056, 12–31–68, Cl. 146—221.6.
Girling Ltd.: *See*—
Avner, David A. 3,385,590.
Avner, David A., and Wilkins. 3,372,776.
Beller, Hans A., and Rath. 3,372,775.
Cochrane, Robin A. 3,365,030.
Cullen, John L. 3,385,405.
Farr, Glyn P. R. 3,373,849.
Farr, Glyn P. R. 3,385,308.
Fineman, Harold, Lawson, and Bowmar. 3,385,168.
Goddard, Arthur. 3,363,893.
Hambling, Stewart K. 3,372,778.
Hambling, Stewart K. 3,414,090.
Hill, Albert C. 3,388,606.
Hoenick, Hermann H. 3,402,791.
Hollins, Peter G. 3,378,114.
Hollins, Peter G. 3,393,775.
Lawson, Thomas G. 3,417,668.
Lawson, Thomas G., and Cummings. 3,400,986.
Newstead, Charles. 3,381,779.
Rath, Heinrich B. 3,402,790.
Tafft, Brian K. 3,385,404.
Wilkins, Douglas B., and Rees. 3,393,921.
Wilson, Alexander J. 3,387,540.
Wilson, Alexander J., and Fineman. 3,385,167.
Yardley, Alfred, and Spence. 3,390,524.
Giroux, Joseph H. Safety guard for chain saw. 3,380,493, 4–30–68, Cl. 143—32.
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Cohen, Murray F., Englander, and Girsch. 3,409,777.
Girten, William. Apparatus for the stimulation of blood circulation in the feet and legs. 3,370,584, 2–27–68, Cl. 128—25.
Girvan, John H., to Cleveland Equipment Division, Detroit Engineering & Machine Co. Strand attachment means for pusher flight. 3,412,844, 11–26–68, Cl. 198—175.
Girvin, Robert T.: *See*—
Lytle, Robert J., and Girvin. 3,367,010.
Gischel, Erich: *See*—
Rabe, Peter, Eimecke, Gischel, and Dieterle. 3,377,127.
Gish, Lyman C., to Packaging Corp. of America. Dispenser carton. 3,409,183, 11–5–68, Cl. 222—308.

Gisiger-Lusa, Armin. Watchcase having improved means for attaching wristband. 3,403,505, 10–1–68, Cl. 58—88.

Gismatullin, Ravil I.: *See*—
Shlyakhter, Isaak A., Krupin, and Gismatullin. 3,417,-838.

Gismondi, Thomas P.: *See*—
Fiorletta, Ali A., and Gismondi. 3,383,594.

Gissler, Heinrich: *See*—
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Gist, William B., Jr., to General Electric Co. Compound aircraft and propulsion system. 3,375,997, 4–2–68, Cl. 244—17.11.

Gist, William B., Jr., to General Electric Co. Compound aircraft and propulsion system. 3,381,474, 5–7–68, Cl. 60—224.

Gitchel, Wayne B., E. M. Pogainis, and E. W. Schoeffel, to Sterling Drug Inc. Selective hydrolysis of dialkyl ethers of protocatechuic aldehyde. 3,367,972, 2–6–68, Cl. 260—600.

Gith, Walter, to W. Reiners. Yarn guard for checking yarn travel in a textile machine. 3,361,314, 1–2–68, Cl. 226—11.

Githens, John A.: *See*—
Crane, Bently A., and Githens. 3,376,555.
Crane, Bently A., and Githens. 3,391,390.

Githens, John A., to Bell Telephone Laboratories Inc. Information storage system. 3,366,931, 1–30–68, Cl. 340—172.5.

Githens, John A., to Bell Telephone Laboratories, Inc. Information storage system. 3,395,393, 7–30–68, Cl. 340—172.5.

Githens, John A., and J. G. Tryon, to United States of America, Army. Target detector for acquisition radar. 3,399,404, 8–27–68, Cl. 343—5.

Gitis, Semen S., and A. V. Ivanov. Process for manufacture of 2,4-dinitrobenzene derivatives. 3,398,194, 8–20–68, Cl. 260—577.

Gits Bros. Mfg. Co.: *See*—
Lojkutz, Bruno V. 3,389,921.
Wahl, Edward C. 3,389,916.

Gittens, Stanley M. Anchor holder. 3,397,666, 8–20–68, Cl. 114—210.

Gitterman, Charles O.: *See*—
Harris, Stanton A., and Gitterman. 3,361,626.

Gittler, Allan, to Mastereel Industries, Inc. Container. 3,417,-894, 12–24–68, Cl. 220—4.

Gittos, Allen J., to Commonwealth Aluminum Corp. Ltd. Extraction of alumina from bauxite. 3,401,009, 9–10–68, Cl. 23—52.

Gitzen, Walter H.: *See*—
MacZura, George, and Gitzen. 3,397,952.

Giuffrida, Laura E., to United States of America, Health, Education, and Welfare and Department of Agriculture. Flame ionization detector. 3,372,994, 3–12–68, Cl. 23—254.

Giuffrida, Philip, and P. J. Cade, to Electronics Corp. of America. Electrical control circuitry for burners. 3,376,-099, 4–2–68, Cl. 431—26.

Giuffrida, Philip, and P. J. Cade, to Electronics Corp. of America. Combustion control system. 3,393,037, 7–16–68, Cl. 431—24.

Giuffrida, Philip, and J. Pratt, to Electronics Corp. of America. Flame sensor quench circuits for combustion control systems. 3,416,041, 12–10–68, Cl. 317—148.5.

Giulie, Joe D., and L. N. Wilder, to Icore Industries. Scale preloading mechanism. 3,387,679, 6–11–68, Cl. 177—164.

Giulini, Gebr., G.m.b.H.: *See*—
Ruter, Hermann, Cherdron, and Fassle. 3,410,655.
Ruter, Hermann, Haerter, Cherdron, and Scheuermann. 3,407,033.

Giummo, Domenic, to Gift Box Corp. of America. Folding box. 3,393,859, 7–23–68, Cl. 229—35.

Giunta, Joseph S., to United States Steel Corp. Tank-car heating system. 3,389,697, 6–25–68, Cl. 126—343.5.

Giurgea, Corneliu, to UCB (Union Chimique-Chemische Bedrijven) S.A. Use of butyrolactam for treating motion sickness. 3,380,887, 4–30–68, Cl. 167—65.

Giurlando, Angelo C.: *See*—
Chubb, Donald E., Giurlando, and Rayner. 3,375,014.

Giurlando, Richard A., to Xerox Corp. Correspondence piece. 3,372,860, 3–12–68, Cl. 229—68.

Giuseffi, Jerome, to The Palm Beach Co. Alterable side seam for coats. 3,368,223, 2–13–68, Cl. 2—93.

Giuseppe, Cafici. Asynchronous electric motor. 3,394,276, 7–23–68, Cl. 310—67.

Giusti, Edmund C., and R. O. Stevens. Weeding and mulching device. 3,419,086, 12–31–68, Cl. 172—523.

Giustino, John. Grill and oven scraper and cleaner. 3,366,987, 2–6–68, Cl. 15—105.

Giuttari, Joseph M., to Greenhalgh Mills, Inc. Weft detector for loom having a weft inserted by nozzle action. 3,410,316, 11–12–68, Cl. 139—370.

Givaudan Corp.: *See*—
Achuff, Nancy E., and Wood. 3,393,994.
Erickson, Julius L. E., Collines, and Dahill. 3,402,181.
Evans, Wilbur F., and Wood. 3,393,995.
Evans, Wilbur F., and Wood. 3,399,049.

Givens, Linda E.: *See*—
Givens, Robert E., and Linda E. 3,383,083.

Givens, Robert E., and Linda E. Pie-baking aid. 3,383,083, 5–14–68, Cl. 249—141.

Givens, Wyatt W.: *See*—
Caldwell, Richard L., and Givens. 3,389,257.

Givry, Jean-Pierre: *See*—
Duclaux, Daniel, Givry, and Scalliet. 3,410,786.

Giwosky, Harry L., to Controls Co. of America. Defrost control means responsive to speed of evaporator blower. 3,397,-550, 8–20–68, Cl. 62—140.

Gjertsen, Paul R., and R. A. Chabane, to Precision Hone Co. Honing device for cylinders. 3,403,483, 10–1–68, Cl. 51—347.

Glabau, Ernest R., to Nitramon Inc. Bismuth-free barium titanate ceramic compositions. 3,368,910, 2–13–68, Cl. 106—39.

Glabe, Elmer F., and E. C. Jertson, to Marine Colloids, Inc. Continuous-mix bread containing nonfat milk together with both carrageenan and hydroxylated phosphatide in synergistic proportions. 3,411,919, 11–19–68, Cl. 99—91.

Glacier Metal Co. Ltd., The: *See*—
Cutting, Edward J., and Barley. 3,378,319.
Heath, Leonard. 3,414,340.
Herbert, Colin W. 3,405,765.
Rafique, Syed O. Z. M., and De Guerin. 3,378,318.

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Paquin, Roger L. 3,360,957.
Paquin, Roger L. 3,413,820.
Stoner, Arthur M., Paquin, and Schneider. 3,365,911.

Glacken, Gerald J.: *See*—
Hopkins, John G., and Glacken. 3,396,445.

Gladding, Edward K., and H. E. Schroeder, to E. I. du Pont de Nemours, and Co. Copolymers of ethylene, alpha monoolefin and cyclopentadiene. 3,379,701, 4–23–68, Cl. 260—80.7.

Glader, James. Ground connection for outlet boxes. 3,414,-663, 12–3–68, Cl. 174—51.

Gladrow, Elroy M.: *See*—
Mattox, William J., and Gladrow. 3,369,865.
Smith, Warren M., and Gladrow. 3,410,808.

Gladrow, Elroy M., R. B. Mason, and G. P. Hamner, to Esso Research and Engineering Co. Selective conversion process. 3,395,096, 7–30–68, Cl. 208—111.

Gladrow, Elroy M., and W. M. Smith, to Esso Research and Engineering Co. Hydrocarbon conversion catalyst. 3,413,-238, 11–26–68, Cl. 252—455.

Gladstone, Dennis J., to General Motors Corp. Compression springs of elastomeric material. 3,412,990, 11–26–68, Cl. 267—63.

Gladstone, Harold M., P. M. La Flamme, R. M. Reihsman, and H. M. Schoen, to Quantum, Inc. Irradiation of elastomeric compounds. 3,389,098, 6–18–68, Cl. 260—4.

Gladstone, Roland A., and R. C. Mott, to Honeywell, Inc. Fluid diverting valve. 3,411,537, 11–19–68, Cl. 137—597.

Gladwin, Harold S., Jr. Sound reproduction system. 3,374,-315, 3–19–68, Cl. 179—1.

Gladwin Plastics, Inc.: *See*—
Bustos, Rafael T. 3,393,273.

Glaeser, Melvin L., to Koppers Co., Inc. Electrode rapping control for an electrostatic precipitator. 3,360,902, 1–2–68, Cl. 55—13.

Glamann, Wilhelm. Torque converters and power plants. 3,382,855, 5–14–68, Cl. 123—119.

Glamann, Wilhelm. Plural power paths vehicle transmission. 3,391,584, 7–9–68, Cl. 74—674.

Glamour Pools, Inc.: *See*—
Lankheet, Jay A. 3,396,500.

Glandin, Constan: *See*—
Widell, Bjorn, Van Santen, and Glandin. 3,405,033.

Glandin, Constan, and E. O. Jansson, to Allmanna Svenska Elektriska Aktiebolaget. Spacer for fuel assemblies. 3,380,-890, 4–30–68, Cl. 176—78.

Glang, Reinhard, and A. E. Lessor, Jr., to International Business Machines Corp. Method of making cermet resistors by etching. 3,398,032, 8–20–68, Cl. 156—5.

Glantz, Hershey. Signal for automobiles. 3,387,584, 6–11–68, Cl. 116—28.

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Macura, Karl, Siggel, and Schmitz. 3,383,242.

Glanzer, Jacobo. Construction toy comprising connectors having orthogonal channels. 3,360,883, 1–2–68, Cl. 46—29.

Glanzstoff A.G.: *See*—
Baggen, Hubert, Effern, and Kahlert. 3,414,212.
Magerlein, Helmut, Siggel, Rupp, and Meyer. 3,419,630.
Rein, Walter, and Siggel. 3,405,198.
Rupp, Hans-Dieter, Siggel, Meyer, and Magerlein. 3,397,-960.
Schatz, Gunther, Gemeinhardt, Brucher, and Jurisch. 3,398,223.
Taul, Horst. 3,398,061.

Glanzstoff Koln G.m.b.H.: *See*—
Fassbender, Herbert. 3,361,860.

Glare Shield Corp. of Missouri: *See*—
Kohl, Fred A. 3,366,821.

Glarex A.G.: *See*—
Schenkel, Willi. 3,383,976.

Glascock, Harry. Respiratory cuirass. 368,550, 2–13–68, Cl. 128—2.

Glaser, David W.: *See*—
Floyd, Don E., and Glaser. 3,412,115.

Glaser, Donald A., W. W. Pendleton, and C. A. Bird, to Diddle-Glaser, Inc. Drive mechanism for roll duplicator. 3,385,123, 5–28–68, Cl. 74—230.17.

Glaser, Donald A., W. W. Pendleton, and A. Bird, to Diddle-ing, carving, cutting or chipping metals, wood, stone or the like. 3,393,755, 7–23–68, Cl. 173—116.

Glaser, Edward L.: *See*—
Couleur, John F., and Glaser. 3,412,382.

Glaser, Frederick E. Feather article for adornment of the human eye and methods of producing same. 3,362,417, 1–9–68, Cl. 132—5.

Glaser, Fritz, and J. Wentz, to Vickers-Zimmer Aktiengesellschaft, Planung und Bau Von Industrieanlagen. Apparatus for reducing the sojourn times in fluidized beds. 3,371,425, 3-5-68, Cl. 34—57.
Glaser, Hellmut L., to Owens-Corning Fiberglas Corp. Apparatus for melting and processing heat-softenable mineral materials. 3,401,536, 9-17-68, Cl. 65—1.
Glaser, Hellmut L., to Owens-Corning Fiberglas Corp. Method and apparatus for processing heat-softened mineral material. 3,416,906, 12-17-68, Cl. 65—1.
Glaser, Milton A.: *See*—
Coder, William D., Jr., Glaser, and Stein. 3,402,057.
Hughes, George K., Coder, and Glaser. 3,390,128.
Glaser Products Corp.: *See*—
Leach, Charles. 3,404,621.
Leach. Charles C. 3,379,190.
Glaser, Ronald A.: *See*—
Mihojevich, Steven, Zerfahs, Ostensen, Berggren, and Glaser. 3,416,860.
Glaser, William, to Otis Elevator Co. Elevator control system. 3,413,826, 11-26-68, Cl. 187—29.
Glasgow, Augustus R., Jr., to United States of America, Health, Education, and Welfare. Transfer hood. 3,394,464, 7-30-68, Cl. 34—36.
Glasgow, David G.: *See*—
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Salyer, Ival O., and Glasgow. 3,413,159.
Glasgow, Clarence O. Gasket ring and conduit coupling. 3,408,097, 10-29-68, Cl. 285—112.
Glasgow, Paul W., R. A. La Falce, and J. D. Baugher, to The Rowan Controller Co. Constant current constant voltage regulator. 3,414,803, 12-3-68, Cl. 323—4.
Glass, Benjamin G., to Rohr Corp. Variable cone area convergent-divergent nozzle system. 3,391,869, 7-9-68, Cl. 239—265.19.
Glass, Dwight W., and R. A. Sewell, to National Lock Co. Dust cap assembly for tumbler locks. 3,400,564, 9-10-68, Cl. 70—455.
Glass, Emmett F.: *See*—
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Glass, Emmett F., J. K. Hale, and H. G. McCarty, to Sperry Rand Corp. Deflector structure. 3,383,844, 5-21-68, Cl. 56—23.
Glass, Emmett F., and H. G. McCarty, to Sperry Rand Corp. Implement frame. 3,386,233, 6-4-68, Cl. 56—23.
Glass, Eugene D., and C. J. Russell, Jr., to Cities Service Oil Co. Heavy oil recovery. 3,373,804, 3-19-68, Cl. 166—2.
Glass, John A., and W. H. Urry, to Monsanto Co. Purification process. 3,373,180, 3-12-68, Cl. 260—450.
Glass, John P.: *See*—
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Glass, John P. Boat hull and rail. 3,361,104, 1-2-68, Cl. 114—66.5.
Glass, John P. Foamed plastic container with hinged closure. 3,397,806, 8-20-68, Cl. 220—32.
Glass Laboratories Co.: *See*—
Shanok, Victor and J. P. 3,416,761.
Glass, Marvin, & Associates: *See*—
Ayala, Carl. 3,418,749.
Barlow, Gordon A., and McFarland. 3,417,997.
Glass, Marvin I., and Barlow. 3,387,846.
Glass, Marvin I., and Barlow. 3,402,503.
Glass, Marvin I., and Jernstrom. 3,369,811.
Glass, Marvin I., and Licitis. 3,408,768.
Glass, Marvin I., and Meyer. 3,394,493.
Glass, Marvin I., Meyer, McFarland, and Stan. 3,402,929.
Glass, Marvin I., Stan, and Licitis. 3,404,891.
Janiszewski, Anthony T. 3,417,996.
Neumann, Arthur E. 3,362,103.
Glass, Marvin I., and H. E. Jernstrom, to Marvin Glass & Associates. Simulated beanstalk game. 3,369,811, 2-20-68, Cl. 273—135.
Glass, Marvin I., and G. A. Barlow, to Marvin Glass & Associates. Wheeled toy and target rings. 3,387,846, 6-11-68, Cl. 273—110.
Glass, Marvin I., and B. C. Meyer, to Marvin Glass & Associates. Motor operated sounding toy. 3,394,493, 7-30-68, Cl. 46—232.
Glass, Marvin I., and G. A. Barlow, to Marvin Glass & Associates. Model vehicle tile track system with accessories. 3,402,503, 9-24-68, Cl. 46—17.
Glass, Marvin I., B. C. Meyer, N. T. McFarland, and H. Stan, to Marvin Glass & Associates. Balancing game apparatus. 3,402,929, 9-24-68, Cl. 273—1.
Glass, Marvin I., H. Stan, and G. Licitis, to Marvin Glass & Associates. Board game with carousel-type spinner. 3,404,891, 10-8-68, Cl. 273—134.
Glass, Marvin I., and G. Licitis, to Marvin Glass & Associates. Toy airplane launching device. 3,408,768, 11-5-68, Cl. 46—81.
Glass, Max: *See*—
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Glass, Robert, to Minnesota Mining and Mfg. Co. Method of making laminated magnetic head. 3,417,465, 12-24-68, Cl. 29—603.
Glass, Theodore D. Lure ladder for a fishing tackle box. 3,367,062, 2-6-68, Cl. 43—57.5.
Glassanos, Andrew, to General Electric Co. Pressure responsive protective means for vacuum type circuit interrupters. 3,404,247, 10-1-68, Cl. 200—144.
Glassberg, Bernard. Portable child's toilet. 3,381,315, 4-30-68, Cl. 4—142.
Glasscock, Glen C.: *See*—
Elizer, Lee H., Glasscock, and Seitz. 3,380,799.
Glassey, Eugene A. Closed circuit density control instrument. 3,377,869, 4-16-68, Cl. 73—453.
Glassey, Eugene A. Apparatus for manometer temperature control and temperature compensation circuit and method. 3,407,664, 10-29-68, Cl. 73—401.
Glassey, Eugene A., to Exactel Instrument Co. Submerged density sensing instrument. 3,407,666, 10-29-68, Cl. 73—452.
Glassman, Aaron, to Pennsylvania Sewing Research Corp. Attachment for sewing machine. 3,393,886, 7-23-68, Cl. 248—16.
Glassman, Aaron, to Pennsylvania Sewing Research Corp. Lifting device supported at both ends and screw actuated. 3,411,749, 11-19-68, Cl. 254—100.
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Gleasman, Hollis K., to The Bendix Corp. Three-speed hub gearing for velocipedes. 3,372,608, 3-12-68, Cl. 74—750.
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Glos, Edmond A., II, to Mero & Co., Inc. Filter apparatus. 3,363,773, 1–16–68, Cl. 210—402.
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Glover, William D. Paper box. 3,384,290, 5–21–68, Cl. 229—22.
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Godbehere, Albert E., to Edward Pryor & Son Ltd. Electrolytic etching apparatus. 3,401,782, 11–12–68, Cl. 204—224.
Goddard, Arthur, to Girling Ltd. Vehicle suspension device. 3,363,893, 1–16–68, Cl. 267—64.
Goddard & Goddard Co.: *See*—
Dupuis, Hubert. 3,371,394.
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Goddard Industries, Inc.: *See*—
Nelson, Donald R. 3,404,865.
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Goddin, Derek J. H. Device for measuring the pressure between two surfaces at least one of which is a roll. 3,418,850, 12–31–68, Cl. 73—141.

Godefroy, Johan, to Inventa Trust reg. Curved shaving head with a flat surface and a movable cutter with a similar flat surface and having a pivotal end and a spring loaded end. 3,390,454, 7-2-68, Cl. 30—43.92.
Godefroy, Johan, to Inventa Trust reg. Shaving head for an electric shaver. 3,401,454, 9-17-68, Cl. 30—43.91.
Godejahn, Gordon C., Jr., to North American Rockwell Corp. Methods of making a semiconductor structure including opposite conductivity segments. 3,401,450, 9-17-68, Cl. 29—580.
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Godet, Pierre, and J.-L. Joux, to Colgate-Palmolive Co. Pulsed column apparatus for soap making. 3,413,236, 11-26-68, Cl. 252—371.
Godfrey, Arthur W., to Texaco Inc. Synthetic ester base lubricating composition containing a copper or cobalt acetylacetonate. 3,412,028, 11-19-68, Cl. 252—42.7.
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Godfrey, John C., to Bristol-Myers Co. N-substituted carbamates and thiocarbamates of 2-quinolinemethanols. 3,391,146, 7-2-68, Cl. 260—287.
Godfrey, John N., to The Susquehanna Corp. Processing apparatus for gas-generating compositions. 3,387,329, 6-11-68, Cl. 18—12.
Godfrey, John T., to E.S.R., Inc. Binary digital computer. 3,390,471, 7-2-68, Cl. 35—30.
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Godlewski, Edward S. Multiple feeder mechanism. 3,375,003, 3-26-68, Cl. 271—9.
Godlove, Robert J., and H. P. Karwan, to Digital Systems, Inc. Feedback apparatus. 3,400,615, 9-10-68, Cl. 77—32.2.
Godo, Einar. Machine for handling a halibut long line and the like. 3,377,733, 4-16-68, Cl. 43—4.
Godoy, Humbert C., and N. E. Gross, to International Business Machines Corp. Reliability test for computer check circuits. 3,405,258, 10-8-68, Cl. 235—153.
Godschalk, Louis A., Jr., to Smith Kline & French Laboratories. Device for dispensing measured quantities of liquid. 3,369,713, 2-20-68, Cl. 222—193.
Godschalx, Adrian T. Electrical distribution system for continuous plating apparatus. 3,365,382, 1-23-68, Cl. 204—211.
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Godshalk, Henry W., and R. A. Willis, Jr., to Chemetron Corp. Thermosetting resin pigment composition and process therefor. 3,398,113, 8-20-68, Cl. 260—41.
Godshalk, James B., to Fox Products Co. Poultry watering valves. 3,368,579, 2-13-68, Cl. 137—403.
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Godshalk, James B., to Fox Products Co. Poultry watering devices. 3,418,977, 12-31-68, Cl. 119—72.5.
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Godwin, Joseph B., 50% to A. W. Price. Helicopter. 3,411,737, 11-19-68, Cl. 244—17.19.
Godwin, Joseph R., and G. A. Watson, to Celanese Corp. of America. Double disc liquid applicator for tow and method of using. 3,384,507, 5-21-68, Cl. 117—105.3.
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Goebel, Lawrence E. M., to FMC Corp. Spinning bucket and lid therefor. 3,368,341, 2-13-68, Cl. 57—76.
Goebel, Max T., to E. I. du Pont de Nemours and Co. 3-amino-2,5,6-trichlorobenzoic acid. 3,391,185, 7-2-68, Cl. 260—518.
Goebel, Paul W. Wall plate assembly having improved attaching means. 3,418,421, 12-24-68, Cl. 174—57.
Goebels, Frank J., Jr., C. A. Strider, A. T. Villeneuve, and C. K. Watson, to Hughes Aircraft Co. Multifunction antenna having selective radiation patterns. 3,413,637, 11-26-68, Cl. 343—754.
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Goeller, Leopold F., Jr., to Bell Telephone Laboratories, Inc. Communication system signaling and testing equipment. 3,378,650, 4-16-68, Cl. 179—175.2.
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Burns, Sylvester F., and Goeman. 3,385,623.
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Goerg, Alfred, to Ciba Ltd. Apparatus for countercurrent washing of mother liquor from solid products. 3,390,402, 6-25-68, Cl. 23—270.
Goerg, Alfred, to Ciba Ltd. Process for the manufacture of chlorine, sodium hydroxide and hydrogen by the electrolysis of sodium chloride in mercury cells. 3,407,128, 10-22-68, Cl. 204—99.
Goerg, Alfred, to Ciba Ltd. Apparatus for purifying brine. 3,414,384, 12-3-68, Cl. 23—270.
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Goettl Adam D. Speaker installation means. 3,379,276, 4-23-68, Cl. 181—31.
Goettl, Adam D. and J. Utility cart. 3,380,752, 4-30-68, Cl. 280—43.
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Goettl, Adam D. and J. 3,380,752.
Goettl, John M.: *See*—
Perry, James W., W. H. Goettl, Henderson, and J. M. Goettl. 3,376,799.
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Goetz, Donald C., to Ashland Oil and Refining Co. Gelling agents, gels and methods for forming gels. 3,383,307, 5-14-68, Cl. 252—316.
Goetz, Lawrence R., to The Singer Co. Motor control circuit for D.C. shunt motor using controlled rectifiers. 3,382,424, 5-7-68, Cl. 318—331.

Goetz, Martin A., to Applied Data Research, Inc. Sorting system. 3,380,029. 4–23–68. Cl. 340—172.5.

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Goetze, Gerhard W., and A. H. Boerio, to Westinghouse Electric Corp. Radiation detection system. 3,405,309, 10–8–68, Cl. 315—11.

Goetze, Gerhard W., and A. E. Anderson, to Westinghouse Electric Corp. Storage system. 3,408,531, 10–29–68, Cl. 315—12.

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Goforth, Samuel P. and J. A. 3,391,650.

Goforth, Joseph A.: *See*—
Goforth, Samuel P. and J. A. 3,382,816.
Goforth, Samuel P. and J. A. 3,391,650.

Goforth, Samuel P. and J. A., to Goforth Bros. Inc. Cable-retainer for chair lift assembly 3,382,816, 55–14–68, Cl. 104—197.

Goforth, Samuel P. and J. A., to Goforth Bros., Inc. Turn wheel for cable-driven chair lift. 3,391,650, 7–9–68, Cl. 104—173.

Gogarty, William B., to Marathon Oil Co. Petroleum production utilizing miscible and thickened slugs. 3,406,754, 10–22–68, Cl. 166—9.

Gogarty, William B., to Marathon Oil Co. Viscosity control by regulated water content in soluble oil flooding. 3,412,-791, 11–26–68, Cl. 166—9.

Gogek, Jack L., and D. L. Wilhelm, to A. E. Staley Mfg. Co. Joint cement. 3,411,926, 11–19–68, Cl. 106—210.

Goggings, Franklin, to True Cor Value, Inc. Antiskid apparatus for a vehicle. 3,415,537, 12–10–68. Cl. 280—150.

Goggins, William B., Jr., to United States of America, Air Force. Feedback-stabilized microwave radiometer. 3,409,-827, 11–5–68, Cl. 324—58.5.

Goglio, Luigi. Heat sealable bags. 3,381,886, 5–7–68, Cl. 229—57.

Gohde, Ralph. Sanding block. 3,410,035, 11–12–68, Cl. 51—391.

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Goheen, David W., and J. B. Martin, to Crown Zellerbach Corp. Preparation of methoxy phenols from spent pulping liquors. 3,375,283, 3–26–68, Cl. 260—618.

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Gohlke, Roland S., and F. J. Karle, to The Dow Chemical Co. Ion source and accelerator assembly for a time-of flight mass spectrometer. 3,390,246, 6–25–68, Cl. 250—41.9.

Gohlke, Roland S., and F. J. Karle, to The Dow Chemical Co. Time-of-flight mass spectrometry apparatus having a plurality of chambers with electrically resistive coatings. 3,394,-252, 7–23–68, Cl. 250—41.9.

Gohm, William H., Sr. Mortising and boring device. 3,363,487, 1–16–68, Cl. 77—62.

Gohs, Howard C., to Electrical Fittings Corp. Threaded lock washer and method for fabrication thereof. 3,397,726, 8–20–68, Cl. 151—37.

Going, Louis H.: *See*—
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Goins, Robert R., to Phillips Petroleum Co. Bag and method of forming same. 3,361,335, 1–2–68, Cl. 229—58.

Goisis, Mario. Method of and apparatus for forming loops in flat knitting machines. 3,362,195, 1–9–68, Cl. 66—74.

Golan, Kenneth F., D. S. Ohaver, S. I. Pearce, and G. D. Rohweder, to Caterpillar Tractor Co. Transmission hydraulic control. 3,389,770, 6–25–68, Cl. 192—87.13.

Golankiewicz, Edwin J., to The Thomas & Betts Co. Terminal connector and method of making same. 3,390,370, 6–25–68, Cl. 339—95.

Golay & Co., Inc.: *See*—
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Schrader, Lyle K. 3,385,265.

Golay, Marcel, to Perkin-Elmer Corp. Selectable concentration gas mixing apparatus. 3,417,779, 12–24–68, Cl. 137—604.

Golay, Marcel J. E. Method for testing optical membranes. 3,379,049, 4–23–68, Cl. 73—4.

Golay, Marcel J. E. Pneumatic radiation detector. 3,384,749, 5–21–68, Cl. 250—83.

Golay, Marcel J. E. Tensioned membrane. 3,387,494, 6–11–68, Cl. 73—406.

Golbeck, Bernard J., to Oak Electro/Netics Corp. Switch construction. 3,368,051, 2–6–68, Cl. 200—166.

Golbeck, Bernard J., to Oak Electro/Netics. Index mechanism with means for adjusting the angular orientation thereof. 3,411,377, 11–19–68, Cl. 74—527.

Golbeck, Bernard J., and J. W. Hunter, to United States of America, Army. Mortar and ammunition. 3,416,401, 12–17–68, Cl. 89—1.

Golben, Michael, to Minnesota Mining and Mfg. Co. Process of plating metal objects. 3,400.012, 9–3–68, Cl. 117—109.

Golczynski, Edward S. Tool and method for removing insoles. 3,380,092, 4–30–68, Cl. 12—142.

Gold Buffet Franchise, Inc., The: *See*—
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Gold, Derek L.: *See*—
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Gold, Donald A., to Pacific International Plastics. Headrest and speaker apparatus. 3,385,393. 5–28–68, Cl. 181—31.

Gold, Harvey S., and C. J. Calo, to Velsicol Chemical Corp. Biological sampler. 3,365,953, 1–30–68, Cl. 73—425.6.

Gold, Heinrich, E. Lehmann, and W. Theuer, to Farbenfabriken Bayer Aktiengesellschaft. Bis-triazinylamino-stilbene sulphonic acid compounds. 3,371,089, 2–27–68, Cl. 260—240.

Gold, Howard M. Battery power protection system for automobiles and the like. 3,385,998, 5–28–68, Cl. 315—80.

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Gold, John, and R. G. Taylor, to General Motors Corp. Diaphragm type fuel pump with lost motion pick-up. 3,361,039, 1–2–68, Cl. 92—140.

Gold, Marvin H., and H. J. Marcus, to Aerojet-General Corp. Dinitrocarboxamides. 3,399,232, 8–27–68, Cl. 260—562.

Gold, Marvin H., and M. B. Frankel, to Aerojet-General Corp. Method of preparing secondary nitramines. 3,410,905, 11–12–68, Cl. 260—583.

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Gold, Nicholas, and P. B. Mason, to Polaroid Corp. Photographic exposure and processing apparatus. 3,382,782, 5–14–68, Cl. 95—13.

Gold, Robert M., to Keuffel & Esser Co. Article and method for forming a thermographic reproduction on a sheet of polyethylene terephthalate. 3,370,170, 2–20–68, Cl. 250—65.

Gold, Robert M., to Itek Corp. Photocopying method. 3,380,-823, 4–30–68, Cl. 96—27.

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Gold, William, and R. J. Kieber. Process of making citric acid fermentation. 3,372,094, 3–5–68, Cl. 195—36.

Gold, William A.: *See*—
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Goldbeck, Bernard H., and W. L. Effinger, Jr., to The A. C. Gilbert Co. Functionally combined microscope and carrying case. 3,416,852, 12–17–68, Cl. 350—82.

Goldberg, Abraham A.: *See*—
Goldmark, Peter C., Goldberg, and Decker. 3,402,260.

Goldberg, Abraham A., to Columbia Broadcasting System, Inc. Cartridge and cartridge carrier. 3,401,899, 9–17–68, Cl. 242—55.13.

Goldberg, Barry R.: *See*—
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Goldberg, Bernard, to United States of America, Army. Digital signal synchronous detector with noise blanking means. 3,391,344, 7–2–68, Cl. 329—50.

Goldberg, Charles M. Flexible friction shoe. 3,412,835, 11–26–68, Cl. 192—107.

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Goldberg, Herbert S., and A. W. Volchenboum. Bicycle holder for transistor radios. 3,380,698, 4–30–68, Cl. 248—229.

Goldberg, Hyman. Method and apparatus for the testing of hearing. 3,404,235, 10–1–68, Cl. 179—1.

Goldberg, Isidor. Garbage can closer. 3,378,323, 4–16–68, Cl. 312—270.

Goldberg, Jacob, and R. A. Short, to Stanford Research Institute. Data shifting logic system with data and control signals advancing through the system in opposite directions. 3,378,776, 4–16–68, Cl. 328—37.

Goldberg, Jules. Combination implement for hairdressing. 3,410,283, 11–12–68, Cl. 132—120.

Goldberg, Leonard J. System and method for detecting small particles. 3,361,030, 1–2–68, Cl. 88—18.

Goldberg, Lewis B. Rubber blade for plow. 3,413,738, 12–3–68, Cl. 37—42.

Goldberg, Lloyd W., to Thiokol Chemical Corp. Rocket motor thrust control system. 3,392,918, 7–16–68, Cl. 239—265.35.

Goldberg, Moses W.: *See*—
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Goldberg, Moses W., deceased (by R. H. Goldberg, executrix), and S. Teitel, to Hoffmann-La Roche Inc. Substituted benzamides and methods for their preparation. 3,362,993, 1–9–68, Cl. 260—559.

Goldberg, Moses W., H. H. Lehr, and M. Muller, to Hoffmann-La Roche Inc. O-(2-propynyl)-hydroxamic acids. 3,398,180, 8–20–68, Cl. 260—453.

Goldberg, Newton N., and I. N. Elbling, to Westinghouse Electric Corp. Solid epoxide coating compositions containing a mixture of mono and polyfunctional anhydrides. 3,388,185, 6–11–68, Cl. 260—830.

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Teitel, Sidney, Goldberg M., and R. 3,407,234.

Goldberg, Sidney, and A. Leitman. Boat electrolysis and static eliminator. 3,385,254, 5–28–68, Cl. 115—.5.

Goldberger, William M., to The Development Corp. Confining the reaction zone in a plasma arc by solidifying a confining shell around the zone. 3,380,904, 4–30–68, Cl. 204—164.

Goldberger, William M., to The Battelle Development Corp. Method of regenerating waste pickle liquors. 3,387,927, 6–11–68, Cl. 23—126.

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Werner, Johannes. 3,417,601.
Werner, Johannes, Golde, and Schlick. 3,389,579.

Golde, Hans: *See*—
Werner, Johannes, Golde, and Schlick. 3,389,579.

Golden, Bertie C. Plastic drawstring bag machine. 3,406,610, 10–22–68, Cl. 93—8.

Golden, Carl E., to Ransome Torch & Burner Co. LPG vaporizer. 3,407,787, 10–29–68, Cl. 122—4.

Golden, Harry to Ideas for Auto and Bike Specialties, Inc. Vehicle steering assembly. 3,415,550, 12–10–68, Cl. 287—53.

Golden, Philip. Portable serving equipment utilizing the peltier phenomenon. 3,408,481, 10–29–68, Cl. 219—386.

Golden, Robert L., to Robertshaw Controls Co. Fluidic operated multiposition actuator or the like. 3,381,582, 5–7–68, Cl. 91—47.

Golden, Robert L., to Robertshaw Controls Co. Fluidic operated rolling diaphragm actuator or the like. 3,408,899, 11–5–68, Cl. 91—357.

Golden, Robert L., and H. J. Shopsky, to Robertshaw Controls Co. Control system and parts therefor or the like. 3,398,585, 8–27–68, Cl. 74—3.54.

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Golden, Seymonr W., to Robert John Co. Reinforced construction unit. 3,418,030, 12–24–68, Cl. 312—194.

Goldenberg, Emmanuel: *See*—
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Goldfarb, Adolph E. Game piece dispensing toy. 3,383,792, 5–21–68, Cl. 46—124.

Goldfarb, Adolph E. Control means for toy electric racing cars. 3,384,030, 5–21–68, Cl. 104—60.

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Goldfarb, LeRoy D., to United States of America, Army. Positioning mechanism for moving films. 3,392,930, 7–16–68, Cl. 242—67.2.

Goldfogel, Marvin H., and L. A. Labe. Dental impression tray assembly. 3,401,456, 9–17–68, Cl. 32—17.

Goldhammer, Jerome S., W. L. Mohan, Jr., and H. A. Wayne, to Chicago Aerial Industries, Inc. Fiber optic scanning apparatus. 3,401,232, 9–10–68, Cl. 178—7.1.

Goldhammer, Jerome S., and A. Miller, to Chicago Aerial Industries, Inc. Photographic processing web material. 3,413,-181, 11–26–68, Cl. 161—112.

Goldhirsh, Bernard A., ½ to D. Brody. Dispensing utensil. 3,383,157, 5–14–68, Cl. 401—190.

Goldie, Harry, to Westinghouse Electric Corp. High power radar system with fail-safe receiver protection. 3,396,388, 8–6–68, Cl. 343—5.

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Goldman, Conrad, to Papex Corp. Method of making foamed plastics. 3,379,799, 4–23–68, Cl. 264—26.

Goldman, Israel, to McDonnell Douglas Corp. Snap clamp. 3,376,004, 4–2–68, Cl. 248—74.

Goldman, Jerome L. Lighter lifting and stacking devices. 3,361,274, 1–2–68, Cl. 214—15.

Goldman, Jerome L. Shipboard cargo stowage construction. 3,415,214, 12–10–68, Cl. 114—72.

Goldman, Jerome, and P. C. Goldmark. Storage display system. 3,402,490, 9–24–68, Cl. 40—35.

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Goldman, Martin: *See*—
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Goldman, Marvin, and R. P. Anderson, to United States of America, Atomic Energy Commission. Matrix corrected X-ray fluorometric analysis method. 3,375,369, 3–26–68, Cl. 250—51.5.

Goldman, Maurice, to Morse Shoe, Inc. Piercing device. 3,403,-646, 10–1–68, Cl. 112—104.

Goldman, Max, and M. Wallenfels, to E. I. du Pont de Nemours and Co. Coating and drying thermally sensitive thermoplastic film. 3,398,016, 8–20–68, Cl. 117—119.6.

Goldman, Richard L., W. R. Kritzler, and V. C. Sirvydas, to Philco Ford Corp. Fabrication of semiconductor device. 3,389,457, 6–25–68, Cl. 29—580.

Goldman, Robert N., to Telecredit, Inc. Status-indicating system. 3,394,246, 7–23–68, Cl. 235—61.7.

Goldman, Robert N., to Telecredit, Inc. Customer service unit. 3,407,388, 10–22–68, Cl. 340—152.

Goldman, Sam. Fastening assembly for use with a cargo retaining belt. 3,404,438, 10–8–68, Cl. 24—201.

Goldman, William A., to Canrad Precision Industries, Inc. Retro-reflective assembly and method of making the same. 3,405,025, 10–8–68, Cl. 161—4.

Goldmark, Peter C.: *See*—
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Goldmark, Peter C., and J. M. Hollywood, to Columbia Broadcasting Systems, Inc. Television film scanner synchronization system. 3,378,635, 4–16–68, Cl. 178—7.2.

Goldmark, Peter C., A. A. Goldberg, and S. M. Decker, to Columbia Broadcasting System, Inc. Television film scanning synchronizing system. 3,402,260, 9–17–68, Cl. 178—7.2.

Goldring, John E. Seed package and farming methods. 3,362,-106, 1–9–68, Cl. 47—56.

Goldschein, Joel, to Fonsell Floor Machine Co., Inc. Dispenser having a motor operated valve assembly. 3,366,288, 1–30–68, Cl. 222—504.

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Goldschmied, Fabio R., to Sperry Rand Corp. Pure fluid control device. 3,405,724, 10–15–68, Cl. 137—81.5.

Goldsmith, Cecil J. Protector for lift seal of automobile hoist. 3,397,421, 8–20–68, Cl. 15—210.

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Goldsmith, Frank and E. Web sterilization and package forming apparatus. 3,383,831, 5–21–68, Cl. 53—167.

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Woods, William G., Goldsmith, and Crawford. 3,401,174.

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Goldsmith, Herbert, to National Instrument Laboratories, Inc. Biochemical test plate. 3,390,962, 7–2–68, Cl. 23—253.

Goldsmith, Norman, to Radio Corp. of America. Method of forming a PN junction by vaporization. 3,374,125, 3–19–68, Cl. 148—189.

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Goldstein, Albert, and D. R. Hobbs, to Chemirad Corp. Polyalkylene imine partially cross-linked with formaldehyde and pigment retention in paper-making therewith. 3,418,204, 12–24–68, Cl. 162—164.

Goldstein, Allen E., to The Marquardt Corp. Reliquefaction cycle for liquid air cycle engine. 3,410,092, 11–12–68, Cl. 60—204.

Goldstein, Allen E., R. W. Rouse, and T. T. Schroeter, to The Marquardt Corp. Hydrogen conversion and restorage work cycle. 3,389,555, 6–25–68, Cl. 60—39.46.

Goldstein, Arthur. Sequential timing device for hand dryer and towel dispenser. 3,361,996, 1–2–68, Cl. 335—64.

Goldstein, Bernard, 5% to M. Greenberg, P.H. Goldstein, and H. Greenberg. Action for firearm using a caseless round. 3,399,479, 9–3–68, Cl. 42—9.

Goldstein, David A., to Fairchild Camera and Instrument Corp. Gravity-operated delay mechanism. 3,382,725, 5–14–68, Cl. 74—1.

Goldstein, David, W. J. Buehler, and R. C. Wiley, to United States of America, Navy. Method for treating working and bonding refractory metals and alloys. 3,416,342, 12–17–68, Cl. 72—47.
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Goldstein, Richard, to Perma-Power Co. Selective radio remote control system responsive to the reception of a predetermined carrier frequency, modulating frequency and quench frequency for a predetermined minimum duration. 3,366,-961, 1–30–68, Cl. 343—225.
Goldstein, Richard, to Chamberlin Mfg. Corp. Cable tensioning apparatus for movable door controller. 3,397,488, 8–20–68, Cl. 49—199.
Goldstein, Seth R., to Massachusetts Institute of Technology. Fluid pressure modulating servo valve. 3,402,737, 9–24–68, Cl. 137—596.14.
Goldstein, Shalom. Dental appliance. 3,400,999, 9–10–68, Cl. 401—278.
Goldstern, Norbert. Record identification system and method. 3,375,348, 3–26–68, Cl. 235—61.115.
Goldsworthy, William W., to United States Atomic Energy Commission. Electronic pulse line for producing symmetrical square-topped pulses. 3,416,103, 12–10–68, Cl. 333—20.
Goldware, David. Etching equipment. 3,401,705, 9–17–68, Cl. 134—57.
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Gollasch, Karl, H. Pelster, E. Muhlbauer, R. Heiss, and H. Scheinpflug, to Farbenfabriken Bayer Aktiengesellschaft. Carbamic acid esters. 3,376,335, 4–2–68, Cl. 260—479.
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Golla, Franz, W. Watermann, and W. Weirich, to Gewerkschaft Eisenhutte Westfalia. Mine roof support. 3,397,544, 8–20–68, Cl. 61—45.
Goller, George N., to Armco Steel Corp. Stainless steel strip, wire, woven wire belts and cloth, and methods of making the same. Re. 26,454, 9–10–68, Cl. 148—12.3.
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Linnerz, Wilhelm, and Goller. 3,391,566.
Goller, Walter, K. M. Harder, and W. Haechler. Process of automatically performing length measurments and self-calibrating measuring and sorting apparatus for carrying out the process. 3,416,658, 12–17–68, Cl. 209—73.
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Gollwitz, Karl, and H. K. Lotz, to Messer Griesheim G.m.b.H. Process for separating workpieces. 3,415,693, 12–10–68, Cl. 148—9.
Golmard, Maurice, and M. Zanni, to Commissariat a l'Energie Atomique. Porosimeter. 3,388,586, 6–18–68, Cl. 73—38.
Golobart, Ramon B. Lay motion for looms. 3,384,130, 5–21–68, Cl. 139—190.
Golobart, Ramon B. Weft inserting apparatus in multiple looms. 3,392,756, 7–16–68, Cl. 139—122.
Goloff, Alexander, and D. D. Feucht, to Caterpillar Tractor Co. Misalignment compensating cam follower. 3,416,391, 12–17–68, Cl. 74—569.
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Gomes, John M., D. H. Baker, Jr., and K. Uchida, to United States of America, Interior. Method for separation of metal-containing halide phase from a gangue-containing silicate phase and electrolysis of halide phase to obtain the metal. 3,373,097, 3–12–68, Cl. 204—64.
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Gomory, Margaret B. Pattern lay-out guide or instrument. 3,401,459, 9–17–68, Cl. 33—2.
Gomory, Paul L., to Phillips Petroleum Co. Filling and/or propping fractures in subterranean strata. 3,363,691, 1–16–68, Cl. 166—39.
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Gonzales, Anthony, and H. C. Packer. Revolving baseball toy comprising magnetic clutch means. 3,408,070, 10–29–68, Cl. 273—26.
Gonzales, Antonio R. Manufacture of containers for liquids. 3,406,442, 10–22–68, Cl. 29—455.
Gonzales, Elwood J., and R. R. Benerito, to United States of America, Agriculture. Reaction of dimethyloldihydroxyethyleneurea with p-dioxane and reaction product. 3,383,-390, 5–14–68, Cl. 260—309.7.

Gonzales, Elwood J., and R. R. Benerito, to United States of America, Agriculture. Modification of cellulosic textiles with bis(dimethyloldihydroxyethyleneurea) - p - dioxane, 3,414,369, 12–3–68, Cl. 8—116.3.
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Gonzales, Roberto M., and M. J. Rubio. Process for producing tortilla flour. 3,369,908, 2–20–68, Cl. 99—93.
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Gonzalez, Fignacio S.: *See*—
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Gooch, Beverly R., to Ampex Corp. High permeability magnetic head assembly. 3,365,709, 1–23–68, Cl. 340—174.1.
Gooch, Beverley R., to Ampex Corp. Magnetic head assembly with receivers for pole pieces. 3,394,362, 7–23–68, Cl. 340—174.1.
Gooch, Beverley R., and M. Gyi, to Amper Corp. Magnetic recorder having bias amplitude varied as a function of the recorded signal. 3,368,032, 2–6–68, Cl. 178—6.6.
Good, Arthur L., to Robertshaw Controls Co. Switching device having a latchable actuating lever. 3,410,969, 11–12–68, Cl. 200—38.
Good, Charles R., D. S. Harris, R. L. Lindahl, and B. W. Merrill, to New Castle Products, Inc. Movable space divider structure. 3,380,506, 4–30–68, Cl. 160—40.
Good, Charles R., D. S. Harris, R. L. Lindahl, and B. W. Merrill, to New Castle Products, Inc. Movable space divider structures. 3,381,738, 5–7–68, Cl. 160—40.
Good, Elmer H., and L. D. Hammond, to Nash-Hammond, Inc. Cushioning container. 3,403,713, 10–1–68, Cl. 150—.5.
Good, Fred C. Fish lure. 3,388,496, 6–18–68, Cl. 43—42.08.
Good, Jack L. Stump pulverizing apparatus. 3,389,726, 6–25–68, Cl. 144—2.
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Good, Paul F., G. W. White, and J. B. Edwards, to Universal Controls, Inc. Coin recording mechanism. 3,388,238, 6–11–68, Cl. 235—100.
Good, Paul J., to D-S Industries, Inc. Feed mechanism for die cutter. 3,378,132, 4–16–68, Cl. 198—135.
Good, Paul J., to Minnesota Mining and Mfg. Co. Photographic package unit. 3,387,545, 6–11–68, Cl. 95—13.
Good, Richard S. J., to Ferranti Ltd. Apparatus for measuring the movement of a cyclic wave pattern with respect to a reference structure and for controlling that movement. 3,396,320, 8–6–68, Cl. 318—18.
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Good, William E., and T. T. True, to General Electric Co. Projection system and method. 3,385,925, 5–28–68, Cl. 178—5.4.
Goodacre, Cecil, to Lansing Bagnall Ltd. Motor driven trucks. 3,370,668, 2–27–68, Cl. 180—52.
Goodacre, Cecil, to Lansing Bagnall Ltd. Industrial trucks. 3,394,770, 7–30–68, Cl. 180—54.
Goodacre, Cecil, and J. D. Dixon, to Lansing Bagnall Ltd. Means for attaching a lift truck to a lorry. 3,390,797, 7–2–68, Cl. 214—515.
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Goodacre, Ronald, to Lansing Bagnall Ltd. Mounting of rods or spindles. 3,408,120, 10–29–68, Cl. 308—15.
Goodacre, Ronald, to Lansing Bagnall Ltd. Pedal control mechanisms. 3,412,627, 11–26–68, Cl. 74—483.
Goodale, Charles D., and J. A. Frump, to Commercial Solvents Corp. Process for coating fertilizer particles with magnesium and calcium phosphates and sulfates and the resulting product. 3,419,379, 12–31–68, Cl. 71—60.
Goodale, Paul E., to E-H Research Laboratories, Inc. Sampling oscilloscope in which the vertical deflection signal is derived from pulse width modulated constant current pulses. 3,383,548, 5–14–68, Cl. 315—25.
Goodale, William B., to Ford Motor Co. Windshield wiper closure control system. 3,418,677, 12–31–68, Cl. 15—250.19.
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Goode, Robert W., to G. A. Petersen. Dual tensioner phase and brake control. 3,400,900, 9–10–68, Cl. 242—155.
Goode, Robert W. Fluid pressure control for brake mechanism with cooling means. 3,405,786, 10–15–68, Cl. 188—264.
Goodell, William F., and A. E. Stosberg, to Machtronics, Inc. Signal processing for reproducing magnetically recorded television signals. 3,383,463, 5–14–68, Cl. 178—7.5.
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Goodenow, Theodore C., to Bell Telephone Laboratories, Inc. Switching voltage regulator. 3,378,758, 4–16–68, Cl. 323—18.
Goodenow, Theodore C., to Bell Telephone Laboratories Inc. Information storage timing arrangement. 3,395,399, 7–30–68, Cl. 340—172.5.
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Goodhue, George L., to Armstrong Cork Co. Low profile embossed-debossed printing on a closure. 3,413,743, 12–3–68, Cl. 40—311.
Goodhue, Lyle D., to Phillips Petroleum Co. Compositions and methods for repelling insects with diamino sulfenes. 3,361,622, 1–2–68, Cl. 167—22.
Gooding, Dennis J., and A. Wartella, to United States of America, Air Force. Digital detection and storage system. 3,387,275, 6–4–68, Cl. 340—172.5.
Gooding, Frank H., to The Okonite Co. Process of preparing a reel of oil impregnated cable. 3,387,984, 6–11–68, Cl. 117—7.
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Goodlass Wall & Co., Ltd.: *See*—
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Goodman, David M. Telephone answering devices with remote control. 3,383,469, 5–14–68, Cl. 179—6.
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Gordon, Richard S., and L. J. Machlin, to Monsanto Co. Animal feed. 3,401,039, 9–10–68, Cl. 99—2.
Gordon, Ronald H.: *See*—
Widrow, Bernard, Frick, and Gordon. 3,395,402.
Gordon & Roth Co., Inc.: *See*—
Gordon, Donald W. 3,391,414.
Gordon, Samuel, to Gordon Cartons, Inc. Apparatus for folding, forming and sealing cartons. 3,376,796, 4–9–68, Cl. 93—51.
Gordon, Sherritt, Mines Ltd.: *See*—
Lund, John A. H., and Silins. 3,389,993.
Gordon, Simon R., to Gordon Building Materials, Inc. Paint composition. 3,389,118, 6–18–68, Cl. 260—41.
Gordon, Walter H., Jr., to General Electric Co. Heater filament for an electrical cigarette lighter. 3,419,705, 12–31–68, Cl. 219—270.
Gordon, William A., to United States of America, National Aeronautics and Space Administration. Arc electrode of graphite with ball tip. 3,396,303, 8–6–68, Cl. 313—352.
Gordon, William E. Arrangement for filling or refilling a dispenser. 3,384,133, 5–21–68, Cl. 141—21.
Gordon-Cooper, George H. Adjustable program and progress indicator. 3,377,983, 4–16–68, Cl. 116—135.
Gordy, Edwin. Densitometer. 3,419,806, 12–31–68, Cl. 328—2.
Gordy, Travis L., F. J. Higgins, and O. L. Riggs, Jr., to Continental Oil Co. Carveable compositions comprising paraffin wax, ethylene-vinyl acetate or ethylene-ethyl acrylate copolymer and plasticizer. 3,386,936, 6–4–68, Cl. 260—27.
Gore, Ernest M.: *See*—
Tatham, James P., and Gore. 3,390,769.
Gore, George L. Casing interliner. 3,366,391, 1–30–68, Cl. 277—58.
Gore, James H., H. B. Reisman, and C. H. Gardner, to Merck & Co., Inc. Continuous fermentation of glutamic acid. 3,402,104, 9–17–68, Cl. 195—47.
Gore, James K.: *See*—
Seegmiller, Robert, and Gore. 3,419,485.
Gore, Joshua W., Jr. Anti-cheat deposit chute. 3,370,287, 2–20–68, Cl. 340—281.
Gore, Le Roy D., to The Vendo Co. Stacked compartment conveyor assembly for dispensing machine. 3,393,952, 7–23–68, Cl. 312—352.
Gore, Robert W.: *See*—
Gore, Wilbert L. and R. W. 3,391,221.
Gore, Ronald D., and M. A. Sharpe, to Ford Motor Co. Brake operating device. 3,413,871, 12–3–68, Cl. 74—536.
Gore, W. L., & Associates, Inc.: *See*—
Arnold, Howard W., Eldreth, and Gore. 3,380,269.
Gore, Wilbert L. and R. W. 3,391,221.
Gore, Wilbert L.: *See*—
Arnold, Howard W., Eldreth, and Gore. 3,380,269.
Gore, Wilbert L. and R. W., to W. L. Gore & Associates, Inc. Fluorocarbon polymer molding compositions. 3,391,221, 7–2–68, Cl. 260—857.
Gore, William C., and E. B. Shapiro, to Chicago Specialty Mfg. Co. Sliding side jaw wrench having a pivoted rack catch. 3,396,614, 8–13–68, Cl. 81—136.
Gorelick, Joseph. Dentist chair combination with utility supporting attachment. 3,386,766, 6–4–68, Cl. 297—192.
Goren, Avigdor: *See*—
Wiesler, Mordechai, and Goren. 3,390,973.
Goren, Mayer B.: *See*—
Garrett, Donald E., Hermann, Goren, and Meyer. 3,402,-025.
Goren, Mayer B., to Kerr-McGee Corp. Precipitation of phosphorus values from aqueous media. 3,402,026, 9–17–68, Cl. 23—321.
Goren, Mayer B., to Kerr-McGee Oil Industries, Inc. Process for flocculating finely divided solids suspended in an aqueous medium with a microbial polysaccharide. 3,406,114, 10–15–68, Cl. 210—54.
Gorenflo, Raymond J.: *See*—
Feeney, Francis, and Gorenflo. 3,373,578.
Gorgens, Joseph E., and M. Jankura, to Dresser Industries, Inc. Gauge construction. 3,388,600, 6–18–68, Cl. 73—431.
Gorgens, Joseph E., and W. E. Levine, to Dresser Industries, Inc. Pressure responsive device. 3,393,612, 7–23–68, Cl. 92—101.
Gorham Corp.: *See*—
Odams, Charles E., and Spears. 3,369,235.
Whitman, Allen L., Jr. 3,403,320.
Gorike, Rudolf, to Akustische U. Kino-Gerate Gesellschaft m.b.H. Electronic appliance. 3,364,315, 1–16–68, Cl. 179—115.5.
Gorin, Everett: *See*—
Friedrich, Robert J., and Gorin. 3,401,089.
Gorin, Everett, R. T. Struck, and C. W. Zielke, ½ to Consolidation Coal Co., and ½ to United States of America, Interior. Regeneration of zinc halide catalyst used in hydrocracking of polynuclear hydrocarbons. 3,371,049, 2–27–68, Cl. 252—413.
Gorka, Andrew J., to United States of America, Atomic Energy Commission. Fast vertical stroke moving coil transducer. 3,374,409, 3–19–68, Cl. 318—122.
Gorker, George E., to United States of America, Atomic Energy Commission. High heat flux neutronic fuel element. 3,378,453, 4–16–68, Cl. 176—43.
Gorkovsky Metallurgichesky Zavod: *See*—
Birjukova, Valentina N. 3,399,877.
Görling, Karl G., and S. A. Lundqvist, to Boliden Aktiebolag. Process for roasting iron sulfide materials. 3,386,815, 6–4–68, Cl. 75—9.
Gorman, Harry. Sound-reproducing container cover. 3,367,665, 2–6–68, Cl. 274—42.
Gorman, James E., G. D. Green, and R. Tevonian, to Western Electric Co., Inc. Activity reporting system. 3,399,385, 8–27–68, Cl. 340—172.5.
Gorman, Joseph. Convertible envelope. 3,371,850, 3–5–68, Cl. 229—68.
Gorman-Rupp Industries, Inc.: *See*—
Schmitt-Matzen, John G. 3,364,860.
Smith, Edward M. 3,382,812.
Gorman, Thomas R.: *See*—
Hofer, Walter D. 3,397,524.
Gorman, William A.: *See*—
Fehlberg, Ellis R., Kraft, and Gorman. 3,391,009.
Gorman, William G., to Sterling Drug Inc. Liquid metering device. 3,363,808, 1–16–68, Cl. 222—193.
Gorman, William G., to Sterling Drug Inc. Metered aerosol valve for use with compressed gas. 3,394,851, 7–30–68, Cl. 222—402.2.
Gormley, William T.: *See*—
Corson, Ben B., and Gormley. 3,379,768.
Corson, Ben B., and Gormley. 3,403,170.
Gorn Corp.: *See*—
Marquis, Edgar E. 3,377,449.
Gorndt, John H., to Lord Corp. Viscous and elastomer damped bearing support. 3,365,032, 1–23–68, Cl. 188—86.
Gorog, Etienne, J. Lemiere, and M. C. Melas, to International Business Machines Corp. Data transmission system and devices. 3,395,391, 7–30–68, Cl. 340—172.5.
Gorog, Etienne P., and C. M. Melas, to International Business Machines Corp. Data transmission apparatus for generating a redundant information signal consisting of successive pulses followed by successive inverse pulses. 3,419,804, 12–31–68, Cl. 325—38.
Goron, George F.: *See*—
Kopec, Frank, Goron, and Shoff. 3,382,559.
Gorowitz, Bernard: *See*—
Gloersen, Per, Gorowitz, and Karras. 3,400,241.
Gorrafa, Adly A.-M., to E. I. du Pont de Nemours and Co. Bulky, high-strength polyethylene terephthalate yarns. 3,371,475, 3–5–68, Cl. 57—140.
Gorring, Robert L., to Mobil Oil Corp. Control and characterization of catalytic cracking processes. 3,384,578, 5–21–68, Cl. 208—113.
Gorsica, Henry J.: *See*—
Wistreich, Hugo E., Gorsica, and Peryam. 3,399,065.
Gorski, Alexander A., to United States of America, Army. Multichannel time-delay system employing less delay lines than the number of channels. 3,382,444, 5–7–68, Cl. 328—104.

Gorski, Alexander A., and C. Pappas, to United States of America, Army. Discharge device controlled by on circuit and off circuit with excessive current-limiting means in off circuit. 3,414,825, 12-3-68, Cl. 328—232.

Gorski, Henry J.: *See*—
Friedrich, Bruno R. 3,414,204.
Peters, Robert W. 3,396,290.
Peters, Robert W. 3,413,717.

Gorsky, Egon: *See*—
Gardel, Robert, and Gorsky. 3,394,494.
Gardel, Robert, and Gorsky. 3,404,483.
Gardel, Robert, and Gorsky. 3,413,756.

Gortan, Guido M., to Secalt S.A. Disc brake mechanism. 3,367,451, 2-6-68, Cl. 188—72.

Gorter, Evert W.: *See*—
Esveldt, Cornelis J., Gorter, and Peloschek. 3,372,123.

Gorton Corp., The: *See*—
Barrett, La Vern H. 3,366,151.

Gorton Heating Corp.: *See*—
Klinefelter, Glenn B. 3,394,724.

Gorton Machine Corp.: *See*—
Larsen, Charles A. 3,373,658.
Larsen, Charles A. 3,381,545.

Gorton, Thomas S., Jr. Lemon wedge server. 3,409,059, 11-5-68, Cl. 146—3.

Gorton, William S., Jr., to Westinghouse Electric Corp. Method of making coils of electrical conductors. 3,410,738, 11-12-68, Cl. 156—3.

Gorys, John P., and P. L. Jensen, to Ford Motor Co. Integrated trim panel and weatherstrip assembly. 3,387,409, 6-11-68, Cl. 49—486.

Gorys, John P., and R. M. Horvat, to Ford Motor Co. Vehicle window control system. 3,413,760, 12-3-68, Cl. 49—375.

Gorzegno, Walter P., F. H. Weber, and R. H. Pai, to Foster Wheeler Corp. Multiple pass design for once-through steam generators. 3,368,534, 2-13-68, Cl. 122—480.

Gosele, Karl, to Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V. Plate-like sound-absorbing structural element preferably having two outer plate-shaped members. 3,412,513, 11-26-68, Cl. 52—303.

Goserud, Chester O. Oarlock. 3,404,414, 10-8-68, Cl. 9—2.

Gosh, Duane E. Method of assembling an artificial waterfall. 3,409,223, 11-5-68, Cl. 239—12.

Goshen Rubber Co., Inc.: *See*—
Cline, Robert W. 3,415,970.

Goshima, Takeshi: *See*—
Kitanosono, Tatsushi, and Goshima. 3,393,621.

Goshima, Takeshi, S. Ohtaki, and N. Kinoshita, to Canon Camera Kabushiki Kaisha. Easy loading apparatus for film supply for photographic cameras. 3,377,936, 4-16-68, Cl. 95—31.

Gosling, Alexander B.: *See*—
Cox, Harry, Gosling, and Shiel. 3,391,925.

Gosling, Cyril H., D. Glick, A. L. Powell, and W. Y. Murray, to British Insulated Callender's. Joints for electric cables. 3,363,049, 1-9-68, Cl. 174—85.

Gosling, William R. F., to The Rank Organisation Ltd. Guidance system for ploughs. 3,376,574, 4-2-68, Cl. 343—107.

Gosma, John W., to General Motors Corp. Loudspeaker magnet structure. 3,407,371, 10-22-68, Cl. 335—231.

Gosnell, Charles N., and S. H. Saulson, to Westinghouse Electric Corp. Method of making inflationable erectable hollow structures. 3,405,886, 10-15-68, Cl. 244—1.

Gosnell, Rex B., to Whittaker Corp. Lamination of amorphous fluorocarbon polymer and glass and method of making same. 3,373,076, 3-12-68, Cl. 161—189.

Gosnell, Rex B., to Whittaker Corp. Composite design for transparent armour. 3,380,406, 4-30-68, Cl. 109—80.

Goss, Arthur G.: *See*—
Wilkinson, Wilfred H., and Goss. 3,377,802.

Goss, Charles G., Jr.: *See*—
Peter, William B., and Goss. 3,393,282.

Goss, Clinton G.: *See*—
Crotty, Raymond E., and Goss. 3,412,405.

Goss, Donald D., to H. P. Hood & Sons, Inc. Beverage dispenser cabinet. 3,371,824, 3-5-68, Cl. 222—105.

Goss, Harold J., to The International Paper Box Machine Co. Timed bottom feed magazine. 3,406,963, 10-22-68, Cl. 271—35.

Gosse, Gerard: *See*—
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Gossel, Edgar H., to A. W. Faber-Castell. Fountain pen with siphon-pen insert. 3,418,058, 12-24-68, Cl. 401—259.

Gosselin, Charles M.: *See*—
Bryant, Paul J., and Gosselin. 3,383,149.
Bryant, Paul J., and Gosselin. 3,395,997.

Gosselin, Norman R., to Iota-Cam Corp. Dental drill. 3,397,457, 8-20-68, Cl. 32—27.

Gosselink, Karl R.: *See*—
Christenson, Roger M., Gosselink, and Porter. 3,362,844.

Gossen, P., & Co. G.m.b.H.: *See*—
Hautmann, Heinrich. 3,378,768.
Schmitt, Helmut. 3,363,967.
Schmitt, Helmut. 3,418,479.

Gosser, Robert B.: *See*—
Harrison, Don E., and Gosser. 3,368,391.

Gossett, Forrest D. Camper hold-down device. 3,419,242, 12-31-68, Cl. 248—361.

Gossett Machine Works, Inc.: *See*—
Dixon, James A., Jr. 3,391,427.

Gossman, Jesse E. Camper unit structure. 3,397,909, 8-20-68, Cl. 296—23.

Gossman, Paul: *See*—
McGarthwaite, Robert E., and Gossman. 3,392,071.

Gösswald, Fritz: *See*—
Hofmann, Erwin, Gösswald, Möke, and Staude. 3,393,111.

Gosswiller, Earl W., to Federal Sign and Signal Corp. Warning device for emergency vehicles. 3,404,371, 10-1-68, Cl. 340—87.

Gostling, Peter E., to Kwikform Ltd. Adjustable struts applicable to building construction. 3,366,361, 1-30-68, Cl. 248—354.

Gosudarstvenny Elektrotekhnichesky Zavod VEF: *See*—
Roze, Lelo V. 3,413,976.

Gosudarstvenny Kontrolny Institut Meditsinskikh Biologicheskikh Preparatov im. L.A. Tarasevicha: *See*—
Kljueva, Nina G., Krzhevova, Fradkina, Sukhareva, Zilberblat, and Parizh. 3,404,070.

Gosudarstvenny Nauchno-Issledovatelsky Institute Plasticheskikh Mass: *See*—
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Gosudarstvenny Nauchno-Issledovatelsky I Proektny Institute Azotnoi Promyshlennosti I Produktov: *See*—
Kargin, Valentin A., Kotrelev, Akutin, Opolovenkov, Andrianov, and Kotrelev. 3,403,129.
Saradzhev, Lev V. 3,401,095.

Gosudarstvenny Proektno-Konstruktorsky Institute "Gipromashugleobogashchenie": *See*—
Cherkov, Efim M., Tikhonov, and Ilchenko. 3,399,769.

Gosudarstvenny souzny Institute po Proektirovaniu metallurgicheskich zavodov: *See*—
Gubert, Stapislav V., and Rabinovich. 3,380,725.

Gosudarstvenny Vsesojuzny Navchno-Issledovatelsky: *See*—
Mazurov, Dmitry J., Zakharov, Malkin, Chernyshov, Lexin, Seliverstov, Nikitin, and Potanin. 3,410,542.

Gotaverken, Aktiebolaget: *See*—
Svensson, Nils V. 3,400,832.

Gotberg, Harry H.: *See*—
Crawford, Charles H., and Gotberg. 3,415,103.

Gotcher, Eugene D.: *See*—
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Gote Sigvard Gustafson: *See*—
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Goteborgs Bandvaverl AB.: *See*—
Ek, Bengt A. A. 3,362,744.

Goth, Gary J., to J. I. Case Co. Loader bucket control. 3,402,840, 9-24-68, Cl. 214—764.

Gotham, Robert C.: *See*—
Carroll, John F., Jr., and Gotham. 3,380,043.

Gothard, Sydney A., D. F. Rees, and L. P. Brunt, to Vickers Seerdrum Ltd. Refuse treating apparatus. 3,405,873, 10-15-68, Cl. 241—38.

Göthel, Herbert, H. Noeske, and H. Feichtinger, to Ruhrchemie Aktiengesellschaft. Polyalkylene glycol-diorthosilicic acid ester lubricants and power transmitting fluids. 3,383,315, 5-14-68, Cl. 252—49.6.

Goto, Eizo: *See*—
Ose, Akira, and Goto. 3,407,054.

Goto, Kenjiro: *See*—
Oyamada, Norio, and Goto. 3,384,786.

Goto, Kenjiro, to Mansei Kogyo Kabushiki Kaisha. Ignition mechanism of liquefied gas fueled lighter. 3,387,912, 6-11-68, Cl. 431—130.

Goto, Michio, to Teijin Ltd. Polyamide composition. 3,383,353, 5-14-68, Cl. 260—45.75.

Goto, Ryosuke: *See*—
Eguchi, Takashi, and Goto. 3,368,329.

Goto, Shinkichi, and B. Ushioda, to Yawata Iron & Steel Co., Ltd., and Tanaka Engineering Works, Ltd. Apparatus for searfing rolled metal materials. 3,398,943, 8-27-68, Cl. 266—23.

Gotoghian, Georges J.: *See*—
Guichet, Lucien R., and Gotoghian. 3,366,464.

Gotsch, John M., Jr., to Mechanical Handling Systems, Inc. Free trolleys for power and free conveyors. 3,411,457, 11-19-68, Cl. 104—172.

Gotshall, William W., to Marathon Oil Co. Coke ground in a nonoxidizing atmosphere. 3,404,019, 10-1-68, Cl. 106—307.

Gotshall, William W., to Marathon Oil Co. Polymer compositions containing coal which has been ground in a nonoxidizing atmosphere. 3,404,120, 10-1-68, Cl. 260—41.5.

Gott, Alan C. Plaster applicator. 3,365,746, 1-30-68, Cl. 401—139.

Gott, Hans: *See*—
Ritter, Josef, and Gott. 3,363,474.
Ritter Josef, and Gott. 3,397,565.
Ritter, Josef, and Gott. 3,410,318.

Gott, Hans, and J. Ritter, to EVG Entwicklungs-u. Verwertungsgesellschaft m.b.H. Wire guiding system for wire mesh welding machines. 3,390,825, 7-2-68, Cl. 226—198.

Gott, Hans, and J. Ritter, to EVG Entwicklungs- und Verwertungsgesellschaft m.b.H. Mesh welding machine. 3,410,319, 11-12-68, Cl. 140—112.

Gott, Paul G.: *See*—
Martin, James C., and Gott. 3,394,132.

Gottauf, Georg, to Stahlgruber Otto Gruber & Co. Tire repair patch. 3,369,586, 2-20-68, Cl. 152—367.

Gotte, Ernst: *See*—
Jakobi, Gunter. Gotte, Stein, and Rutzen. 3,382,176.
Gotte, Ernst, W. Stein, and H. Weiss, to Henkel & Cie, G.m.b.H. Wash agents. 3,413,221, 11–26–68, Cl. 252—13.8.
Gottfried, Louis. ½ to J. Berger. Crib bed. 3,394,413, 7–30–68, Cl. 5—100.
Gottfried, Louis, and J. Berger. Convertible crib bed. 3,403,412, 10–1–68, Cl. 5—100.
Gottfried, Max, to Jobst Institute, Inc. Pneumatic head and neck immobilizer. 3,397,688, 8–20–68, Cl. 128—76.
Gottlly, Arthur L., and J. L. Thomas, to Monsanto Co. Shrink wrap apparatus. 3,410,048, 11–12–68, Cl. 53—77.
Gottlieb, Bernard L.: *See*—
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Gottlieb, D., & Co.: *See*—
Garbark. Roman F. 3,390,255.
Gottlieb, Irving M., to General Precision Systems Inc. Inductive loop presence detector. 3,375,493, 3–26–68, Cl. 340—38.
Gottlieb, Melvin H., to Bell Telephone Laboratories, Inc. Nickel-cadmium battery electrodes. 3,398,025, 8–20–68, Cl. 136—120.
Gottlieb, Robert. Motor driven swing. 3,361,405, 1–2–68, Cl. 248—370.
Gottlob Gussmann: *See*—
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Gottron, Richard N.: *See*—
Hastie, Edgar G., and Gottron. 3,390,692.
Gottsacker, Raymond F.: *See*—
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Gottschald, Rudolf, to A. Ehrenreich & Cie. Universal joints, especially for motor vehicles. 3,363,921, 1–16–68, Cl. 287—90.
Gottschald, Rudolf, to Messrs. A. Ehrenreich & Cie. Ball joints. 3,378,286, 4–16–68, Cl. 287—87.
Gottschald, Rudolf, to A. Ehrenreich & Cie. Ball joints, especially for steering gears. 3,385,616, 5–28–68, Cl. 287—87.
Gottschald, Rudolf, to A. Ehrenreich & Cie. Ball and socket joints. 3,387,871, 6–11–68, Cl. 287—87.
Gottschald, Rudolf, to A. Ehrenreich & Cie. Ball joints, especially for steering gears. 3,389,925, 6–25–68, Cl. 287—87.
Gottschald, Rudolf, to Messrs A. Ehrenreich & Cie. Ball joints, especially in the form of angular joints. 3,389,926, 6–25–68, Cl. 287—87.
Gottschald, Rudolf, to A. Ehrenreich & Cie. Joints. 3,391,955, 7–9–68, Cl. 287—90.
Gottschald, Rudolf, to A. Ehrenreich & Cie. Ball joints, especially for guides and steering gear, preferably in motor vehicles. 3,399,913, 9–3–68, Cl. 287—87.
Gottschald, Rudolf, to A. Ehrenreich & Cie. Seal for the joint pin of universally movable joints. 3,404,909, 10–8–68, Cl. 287—87.
Gottschald, Rudolf, to A. Ehrenreich & Cie. Angle joint; especially for the linkage of vehicles. 3,409,318, 11–5–68, Cl. 287—90.
Gottschald, Rudolf, and J. Vogt, to Messrs. A. Ehrenreich & Cie. Elastic bellows packings for universally movable joints and more particularly for ball joints. 3,387,870, 6–11–68, Cl. 287—87.
Gottschalk, Gordon W.: *See*—
Thiem, Darold W., and Gottschalk. Re. 26,381.
Gottschalk, Klaus, to General Electric Co. Arc tube mounting. 3,409,790, 11–5–68, Cl. 313—25.
Gottschalk, Robert E., to Panavision, Inc. Motion picture camera with remote film magazine. 3,419,324, 12–31–68, Cl. 352—75.
Gottschlich, Alois, and K.-H. Freytag, to Farbenfabriken Bayer Aktiengesellschaft. Disazo dyestuffs containing a 1,3-benzodioxane group. 3,376,280, 4–2–68, Cl. 260—152.
Gottscho, Adolph, Inc.: *See*—
Birch, Ian H. 3,366,042.
Gottstein, William J., and A. H. Eachus, to Bristol-Myers Co. Synthetic cephalosporins. 3,391,141, 7–2–68, Cl. 260—243.
Gottwald, Bruce C., and J. M. Haigh, to Albemarle Paper Co. Cast coating process using raw starch as adhesive. 3,399,074, 8–27–68, Cl. 117—64.
Gottzenberger, Rudibert, to Ernst Flitsch, Firma. Valve, especially expansion valve for refrigerator. 3,372,902, 3–12–68, Cl. 251—321.
Gotz, Armin: *See*—
Hartmann, Adolf. 3,379,690.
Gotz, Axel A.: *See*—
Hartmann, Adolf. 3,379,690.
Gotz, Elizabeth: *See*—
Hartmann, Adolf. 3,379,690.
Gotz, Hans, to Daimler-Benz Aktiengesellschaft. Ventilation means for passenger motor vehiclea. 3,406,622, 10–22–68, Cl. 98—2.
Gotz, Manfred: *See*—
Thesing, Jan, Seitz, Pohlke, Sommer, Muller-Calgan, and Gotz. 3,393,195.
Gotz, Michael H.: *See*—
Hartmann, Adolf. 3,379,690.
Gotz, Tubingen: *See*—
Hartmann, Adolf. 3,379,690.
Goudy, James A., to Heritage Fireplace Equipment Co. Fireplace door. 3,372,689, 3–12–68, Cl. 126—140.
Goudy, Paul R., E. J. Nielsen, and R. F. Gottsacker, to Square D Co. Wiring trough and cover mounting means therefor. 3,393,350, 7–16–68, Cl. 317—119.
Gouget, Jacques M. Propelling pencil with an incorporated sharpening device. 3,399,945, 9–3–68, Cl. 401—50.
Gough, B. A., Equipment Ltd.: *See*—
Gough, Bernard A. 3,417,879.
Gough, Bernard A., to B. A. Gough Equipment Ltd. Transporting systems. 3,417,879, 12–24–68, Cl. 214—16.
Gough, Dick V. Liquid separators. 3,386,581, 6–4–68, Cl. 210—68.
Gough, John: *See*—
Harris, Albert E., and Gough. 3,383,215.
Gough, Vernon E., to Dunlop Rubber Co. Ltd. Method of building a pneumatic tire. 3,374,131, 3–19–68, Cl. 156—133.
Gouinlock, Edward V., Jr., to Hooker Chemical Corp. Fire-retardant compositions. 3,382,204, 5–7–68, Cl. 260—33.8.
Gouinlock, Edward V., Jr., to Hooker Chemical Corp. Fire retardant compositions. 3,385,819, 5–28–68, Cl. 260—45.75.
Goulart, Harold S.: *See*—
Rabin, Herbert, and Goulart. 3,374,050.
Gould, Bert B., to MB Associates. Rocket launcher. 3,397,638, 8–20–68, Cl. 102—49.4.
Gould, Bert B., and G. P. Sorenson. Miniature ballistic rocket. 3,361,385, 1–2–68, Cl. 244—3.1.
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Gould, Floyd T., to Laboratory for Electronics, Inc. Process for preparing chemically pure ferrous carbonate. 3,416,883, 12–17–68, Cl. 23—61.
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Gould, George D., to Chevron Research Co. Shale retorting apparatus. 3,409,509, 11–5–68, Cl. 196—116.
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Graham, David E., to GAF Corp. Process for the purification of crude 2,5-dichloro-3-nitrobenzoic acid (dinoben). 3,417,-137, 12–17–68, Cl. 260—525.

Graham, Denny L.: *See*—
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Graham, Donald E., to General Motors Corp. Dynamic braking system for alternating current induction type motors. 3,408,550. 10–29–68, Cl. 318—212.
Graham, Donald E., and G. A. Neyhouse, to General Motors Corp. Speed control system for alternating current induction motors. 3,387,196, 6–4–68, Cl. 318—227.
Graham, Donald P. to E. I. du Pont de Nemours & Co. Conversion of tetrafluoroethylene to liquid fluorocarbons. 3,403,191, 9–24–68, Cl. 260—653.1.
Graham, Erwin W., to The Pipe Machinery Co. Profiler. 3,370,355, 2–27–68, Cl. 33—23.
Graham, Everett S., to Polymer Corp. Ltd. Method of concentrating aqueous latices of conjugated diolefin-acrylonitrile copolymers. 3,403,125, 9–24–68, Cl. 260—29.7.
Graham, Gilbert B.: *See*—
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Graham, Gordon C., and C. E. Zervos, to American Pipe and Construction Co. Apparatus for moving pipe through a coating machine. 3,371,770, 3–5–68, Cl. 198—167.
Graham, Harold J., to Omark Industries, Inc. Gravity drop stud welder. 3,415,974. 12–10–68, Cl. 219—95.
Graham, Harold L., and O. M. Kiel, to Esso Production Research Co. Method for propping a fracture. 3,399,727, 9–3–68, Cl. 166—42.
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Smith, Edward C., and Graham. 3,388,510.
Graham, John B.: *See*—
Appel, David W., Graham, and Sanford. 3,373,080.
Graham, John B., to Kimberly-Clark Corp. Pressure forming apparatus for making paper. 3,400,045. 9–3–68, Cl. 162—317.
Graham, John F., to Continental Oil Co. Offshore storage, mooring and loading facility. 3,407,768, 10–29–68, Cl. 114—.5.
Graham, Ollis W., to Combustion Engineering, Inc. Basic sediment and water monitor utilizing one plate of a condenser for mounting a housing for component of a capacitance meaauring circuit. 3,368,147, 2–6–68, Cl. 324—61.
Graham, Paul L.: *See*—
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Graham, Paul R.: *See*—
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Graham, Paul R., and A. F. Ottinger, to Monsanto Co. Flexible polymer film forming compositions. 3,388,088, 6–11–68, Cl. 260—32.6.
Graham, Phillip. Vehicle occupant safety barrier. 3,392,989, 7–16–68, Cl. 280—150.
Graham. Richard H., to United States of America, Atomic Energy Commission. Complementary pair feedback amplifier. 3,379,988, 4–23–68, Cl. 330—17.
Graham, Richard K.: *See*—
Arthur, John R., and Graham. 3,370,144.
Pool, James L., and Graham. 3,404,337.
Graham. Robert L., to Automation Industries, Inc. Ultrasonic inspection transducer. 3,417,609, 12–24–68, Cl. 73—71.5.
Graham, Robert S., to Bell Telephone Laboratories, Inc. Apparatus for equalizing a transmission system. 3,368,167, 2–6–68, Cl. 333—18.
Graham, Robert S., to Bell Telephone Laboratories, Inc. Pilot-controlled regulating apparatus for transmission systems. 3,387,232, 6–4–68, Cl. 333—15.
Graham, Ronald L., and K. C. Knowlton, to Bell Telephone Laboratories, Inc. Method of identifying conductors in a cable by establishing conductor connection groupings at both ends of the cable. 3,369,177, 2–13–68, Cl. 324—66.
Graham, Thomas A., and W. W. Franklin, to Smith-Blair, Inc. Penstock coupling. 3,361,454, 1–2–68, Cl. 285—369.
Graham, Vincent A. Amphibious boat. 3,410,244, 11–12–68, Cl. 115—23.
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Graham, Walton, and B. Bingham, to United States of America, Navy. Vibration suppression apparatus and method. 3,368,192, 2–6–68, Cl. 340—8.
Graham, Walton, and S. Porton, to Control Data Corp. Synchronized communications and navigation syatem. 3,388,393, 6–11–68. Cl. 343—7.5.
Graham-White Sales Corp.: *See*—
Frantz, Virgil L. 3,375,032.
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Frantz, Virgil L., and Switzer. 3,377,046.
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Grahn, Gunnar. Patient lift with stretcher or platform. 3,392,410, 7–16–68, Cl. 5—83.
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Grakauskas, Vytautas, to Aerojet-General Corp. Process for preparing mixed nitrogen trihalides such as dichlorofluoramine. 3,389,976, 6–25–68, Cl. 23—356.
Grakauskas, Vytautas, to Aerojet-General Corp. Process for preparing N-nitro-N-fluoro-amines. 3,390,181, 6–25–68, Cl. 260—583.
Grakauskas, Vytautas, to Aerojet-General Corp. Decarboxylation of organic carboxylic acids and acid salts with fluorine to form organic fluorine compounds. 3,399,179, 8–27–68, Cl. 260—92.1.
Grakauskas, Vytautas, and E. E. Hamel, to Aerojet-General Corp. Process for fluorinating compounds containing a gem-dinitro group. 3,387,044, 6–4–68, Cl. 260—644.
Gram, Hans, to Brodrene Gram A/S. Helical conveyor refrigeration apparatus. 3,391,548, 7–9–68, Cl. 62—381.
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Gramer, Gottfried, and I. Kausz, to Siemens Aktiengesellschaft. Method and apparatus for recovering boric acid in nuclear reactor plants controlled with boric acid. 3,378,450, 4–16–68, Cl. 176—37.
Gramespacher, Herbert, to Georg Fischer Aktiengesellschaft. Toolholder. 3,371,566, 3–5–68. Cl. 82—36.
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Grandstaff, Otho D., to Automatic Electric Laboratories, Inc. Signaling arrangements controlled by line ringing current. 3,406,262, 10–15–68, Cl. 179—84.
Grandstaff, Otho D., and V. F. Weber, to Automatic Electric Laboratories, Inc. Operator's transmission coupling circuit. 3,387,096, 6–4–68, Cl. 179—81.
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Grandy, Andrew J. Liquid or gas disseminating projectile. 3,404,630, 10–8–68, Cl. 102—66.
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Granqvist, Carl-Erik, to AGA Aktiebolag. Frequency meter. 3,412,329. 11–19–68, Cl. 324—79.
Granryd, Eric G. U., to American Gas Association, Inc. Refrigeration system employing heat actuated compressor. 3,400,555, 9–10–68, Cl. 62—498.
Granryd, Eric G. U., to American Gas Association, Inc. Heat-actuated regenerative compressor for refrigerating systems. 3,413,815, 12–3–68, Cl. 62—6.
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Grant, G. Peter, Jr. Document copying device. 3,408,141, 10–29–68. Cl. 355—28.
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Grant, John B., and E. R. Elliott. Package wrapping machine. 3,383,832, 5–21–68, Cl. 53—209.
Grant, John C., to Byron Jackson, Inc. Hinged pipe wiper. 3,392,416, 7–16–68, Cl. 15—210.
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Grant, John C., and R. H. Magill, to Byron Jackson, Inc. Pipe sprayer. 3,378,088, 4–16–68, Cl. 175—84.
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Grantham, Rodney E., to United States of America, Navy. Laser employing a liquid solution of chrome aluminum. 3,417,344, 12–17–68, Cl. 331—94.5.
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Granville, Charles N., W. P. Daly, and O. L. Pouliot. Covers for dust mop heads. 3,400,420. 9–10–68. Cl. 15—104.93.
Granville, Edward, to United States Steel Corp. Posthole digger. 3,395,766. 8–6–68, Cl. 173—23.
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Granzow, Daniel B., S. A. Gawron, W. P. Graff, and P. A. Swain, to Addressograph-Multigraph Corp. Graphic recorder. 3,397,628, 8–20–68, Cl. 95—1.7.
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Grasley, Michael H., to Shell Oil Co. Coating compositions. 3,383,349, 5–14–68, Cl. 260—28.5.
Grass, George M., Jr., and D. R. MacDonnell, to Smith Kline & French Laboratories. Spray-dried coated organopolysiloxane oral pharmaceutical or veterinary composition. 3,382,150, 5–7–68, Cl. 167—82.

Grass, George M., Jr., and M. J. Robinson, to Smith Kline & French Laboratories. Device for coating fine solids. 3,411,480, 11–19–68, Cl. 118—24.

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Grassi, Elio. Cigarette sheath perforator. 3,405,718, 10–15–68, Cl. 131—170.

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Gratian, Joseph W., to General Dynamics Corp. Mechanical biased ferroacoustic memory. 3,404,381, 10–1–68, Cl. 340—173.

Gratian, Joseph W., R. W. Freytag, and F. C. Unterleitner, to General Dynamics Corp. Ferroelectric memory. 3,362,019, 1–2–68, Cl. 340—173.2.

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Grauff, Wolfgang. Folding packages. 3,387,700, 6–11–68, Cl. 206—45.34.

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Graunke, Delbert C., and T. W. Kalbow, to Western Electric Co., Inc. Apparatus for fabricating coil supporting bobbins with terminals attached thereto. 3,390,428, 7–2–68, Cl. 18—5.

Graux, Pierre, to Compagnie du Filage des Metaux et des Joints Curty (Cefilac). Apparatus for removing ferromagnetic sheets singly from a stack. 3,409,149, 11–5–68, Cl. 214—8.5.

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Grebene, Alan B., to Sprague Electric Co. Monolithic structure with three-region or field effect complementary transistors. 3,412,296, 11–19–68, Cl. 317—234.
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Green, Milton, and W. E. Solodar, to Polaroid Corp. Novel nitro- and amino - arylalkoxyhydroquinones. 3,419,600, 12-31-68, Cl. 260—479.
Green, Milton W., to Radio Corp. of America. Function generation and analog-to-digital conversion using superconducting techniques. 3,419,712, 12-31-68, Cl. 235—197.
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Green, Richard F., A. E. Anderson, R. H. Dinter, and P. F. Romot, to Textron, Inc. Connecting means for fruit harvester. 3,370,879, 2-27-68, Cl. 294—86.
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Greer, Kent R., to Imperial Chemical Industries Ltd. Gas-liquid contact apparatus. 3,374,993, 3–26–68, Cl. 261—112.
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Greeson, James C., Jr., and J. J. Kennedy, to International Business Machines Corp. Operational amplifier with improved drive means. 3,408,585. 10–29–68, Cl. 330—20.
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Gregory, George E., Jr., R. E. McGinnis, and R. W. Sholle, to Gregory Industries, Inc. Support for reinforcing members. 3,401,497, 9–17–68, Cl. 52—677.
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Gregory, John B., A. T. McClinton, and P. A. Whittington, to United States of America, Navy. Apparatus for forming flattened tubes with constant radii edge sections. 3,403,543, 10–1–68, Cl. 72—398.
Gregory, John D., to Oxley Developments Co. Ltd. Electric plugs. 3,391,567, 7–9–68, Cl. 72—367.
Gregory, John E. R., to Flight Refuelling Ltd. Apparatus for the detection of broken yarn and the like on textile machines. 3,402,269, 9–17–68, Cl. 200—61.13.
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Gregory, Walter A., and J. G. Whitney, to E. I. du Pont de Nemours and Co. 4-Trifluoromethylbicyclo[2.2.2]-octane-1-amines and oct-2-ene-1-amines. 3,414,615, 12–3–68, Cl. 260—563.
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Greiner, Otto. Adjustable body support. 3,385,630, 5–28–68, Cl. 297—19.
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Greutman, Weldon W., to International Telephone and Telegraph Corp. Method and system for providing visual and electrical read-out in signal-to-image storage tube. 3,389,-293, 6–18–68, Cl. 315—12.
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Grevich, John J., to Doughboy Industries, Inc. Perforated strip package and method of making the package. 3,372,-797, 3–12–68, Cl. 206—56.
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Griesbaum, Karl, and A. A. Oswald, to Esso Research and Engineering Co. Preparation of thiol-allene adducts. 3,398,-200, 8–20–68, Cl. 260—609.
Griese, Elmer W., Jr., to Ekco Products, Inc. Packaging unit. 3,398,855, 8–27–68, Cl. 220—93.
Griese, Karl. Shearing machines for trimming sheet material. 3,368,111, 2–13–68, Cl. 83—513.
Griese, Karl, to Maschinenfabrik Sack G.m.b.H. Shearing machines for trimming sheet material. 3,368,440, 2–13–68, Cl. 83—513.
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Griesemer, Harold A., and D. M. Large, to Western Electric Co., Inc. Method of magnetically loading a mass of articles into a workholder. 3,386,156, 6–4–68, Cl. 29—428.
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Griffin, Dana K., to J. R. Wilson. Disposable mop. 3,362,037, 1–9–68, Cl. 15—229.
Griffin, Dana K., 50% to J. R. Wilson. Adhesively attached disposable mop. 3,412,418, 11–26–68, Cl. 15—229.
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Griffin, Walter J., to United States of America, Navy. Coolant flow means utilizing tubing of dielectric material. 3,403,292, 9–24–68, Cl. 315—50.
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Griffith, Donald L., and S. K. Williams, to Custom Component Switches, Inc. Fluid pressure device. 3,376,794, 4–9–68, Cl. 92—63.
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Griffith, George L., to Trojan Powder Co. Explosive slurries containing an inorganic oxidizer salt and particulate fibrous naturally wet pulpy plant matter. 3,361,604, 1–2–68, Cl. 149—44.
Griffith, George L., to Commercial Solvents Corp. Detonating and deflagrating fuse. 3,367,266, 2–6–68, Cl. 102—27.
Griffith, George L., to Commercial Solvents Corp. Explosive slurry containing an agglomerate of an inorganic nitrate oxidizer and a fuel and method of making. 3,378,415, 4–16–68, Cl. 149—2.
Griffith, George L., to Trofan Powder Co. Gelatinized dinitrotoluene-nitrostarch explosives. 3,399,089, 8–27–68, Cl. 149—39.
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Griffith, Herald E., and R. A. Danko, to Star-Kist Foods, Inc. Package for prepared tart crusts. 3,406,856, 10–22–68, Cl. 220—4.
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Sair, Louis, and Komarik. 3,391,007.
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Griffith, Thomas R., D. W. MacGregor, and E. C. Horswill, to Domtar Ltd. Method of producing lignin-reinforced rubber, using alkylene diamines. 3,364,158, 1–16–68, Cl. 260—17.5.
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Groetschel, Karl M. Self-advancing mine roof support including a protection mat for the roof. 3,399,927, 9–3–68, Cl. 299—11.
Groetschel, Karl M. Roof supports for mine workings. 3,418,-814, 12–31–68, Cl. 61—45.
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Grosemans, Jozef A., to North American Philips Co., Inc. Mechanism for varying the speed of the turntable of a record player. 3,379,071, 4–23–68, Cl. 74—194.
Grosfillex, Raymond E., to Societe a Responsabillte Limitee Grosfillex Freres. Article for seating furniture. 3,393,941, 7–23–68, Cl. 297—440.
Grosgebauer, Roger A., R. E. Werling, L. C. Staten, and E. L. Saenger, to Thiokol Chemical Corp. Semitrailer for sensitive materials. 3,363,231, 1–9–68, Cl. 340—52.
Grosheim, Gene E., to Formica Corp. Process for making decorative laminates. 3,418,189, 12–24–68, Cl. 156—277.
Grosheim, Gene E., and G. E. Power, to Formica Corp. Process for preparing an embossed laminate. 3,373,068, 3–12–68, Cl. 156—219.
Groshin, Vladimir A.: *See*—
Zherebin, Boris N., Krepyshev, Groshin, and Berezkin. 3,379,427.
Gros-Ite Industries, Inc.: *See*—
Everett, George. 3,377,986.
Grosjean, Otto A. Rotary piston hydraulic pump. 3,376,823, 4–9–68, Cl. 103—126.
Groskaufmanis, Edvins, to United Ceramics Ltd. Decorative bricks, tiles or the like and methods of manufacturing the same. 3,402,060, 9–17–68, Cl. 117—45.
Groskopfs, Ernest, and J. A. Fry, to The DeHavilland Aircraft of Canada, Ltd. Cassette stem device. 3,371,453, 3–5–68, Cl. 52—108.
Grospas, Pierre. Apparatus for boring by cable controlled percussion. 3,416,615, 12–17–68, Cl. 175—173.
Gross, Alexander. Drafting accessory. 3,394,900, 7–30–68, Cl. 242—67.1.
Gross, Arthur R., to Gross-Given Manufacture Co. Can dispensing apparatus. 3,416,706, 12–17–68, Cl. 221—11.
Gross, Charles H., and A. M. Helmintoller, to General Electric Co. Powerplant with thrust reverser. 3,386,247, 6–4–68, Cl. 60—226.
Gross, Eschol S. Invalid's chair. 3,363,939, 1–16–68, Cl. 297—116.
Gross, Frank J., to American Cyanamid Co., Neomycin and organobismuth antibacterial finish for cellulosic material. 3,395,212, 7–30–68, Cl. 424—26.
Gross, Friedrich: *See*—
Hinrichs, Horst, and Gross. 3,415,166.
Gross, Friedrich, to Westinghouse Bremsen-und Apparateban G.m.b.H. Combined multiple fluid distribution panel blocks and connector means therefor. 3,406,989, 10–22–68, Cl. 285—137.
Gross, George P., W. F. Biller, D. F. Greene, and K. K. Kearby, to Esso Research and Engineering Co. Method of treating exhaust gases of internal combustion engines. 3,370,914, 2–27–68, Cl. 23—2.
Gross-Given Manufacture Co.: *See*—
Gross, Arthur R. 3,416,706.
Gross, Jerome A.: *See*—
Anello, Joseph. 3,410,023.
Gross, Jerome A. Self-purging pressure dispenser valve. 3,416,711, 12–17–68, Cl. 222—402.18.
Gross, John, and J. J. Hlegel, to E. W. Bliss Co. Clamping and sticking guide. 3,406,553, 10–22–68, Cl. 72—252.
Gross, John E.: *See*—
Hodgson, Robert W., and Gross. 3,363,303.
Gross, Joseph M.: *See*—
Gross, Raphael. 3,384,401.
Gross, Leonard J.: *See*—
Ravreby Fred A. 3,388,662.
Gross, Lewis. Methods and apparatus for determining flash point. 3,408,856, 11–5–68, Cl. 73—36.
Gross, Louis E., to Unity Mfg. Co. Automobile light. 3,375,365, 3–26–68, Cl. 240—7.1.
Gross, Merrill J. Disk catching game and projector therefor 3,363,899, 1–16–68, Cl. 273—95.
Gross, Merrill J. Illuminating ball projector-catcher. 3,391,935, 7–9–68, Cl. 273—96.
Gross, Norman E.: *See*—
Godoy, Humbert C., and Gross. 3,405,258.
Gross, Paul M.: *See*—
Pitzer, Kenneth H. 3,373,648.
Gross, Peter L.: *See*—
Braithwaite, David G., Bott, Gross, Laubach, Altman, and Hanzel. 3,408,273.
Gross, Philip. Teaching and testing device. 3,389,479, 6–25–68, Cl. 35—9.
Gross, Raphael, to J. M. Gross. Window attachment and antirattler. 3,384,401, 5–21–68, Cl. 292—76.
Gross, Richard: *See*—
Braun, Oskar, Gross, Muller, Nakaten, and Weissert 3,386,841.
Gross, Robert, to Hudson Optical Corp. Spectacle hinge construction having an expandable anchor. 3,403,958, 10–1–68, Cl. 351—153.
Gross, Robert I.: *See*—
Pall, David B., and Gross. 3,372,743.
Gross, Seymour, to United States of America, Navy. Sheave. 3,368,797, 2–13–68, Cl. 254—190.
Gross, Stanley B. Pivoting float valve. 3,360,803, 1–2–68, Cl. 4—57.
Gross, Urban E., Jr.: *See*—
Lamb, Bernard L., and Gross. 3,398,738.
Grossauer, Rudolf, to Bruder Riha K.G. Composite ski. 3,372,943, 3–12–68, Cl. 280—11.13.
Grosse, Carl A. Shearing apparatus. 3,362,272, 1–9–68, Cl. 83—198.
Grosse-Brauckmann, Helmut, to Licentia Patent-Verwaltungs-G.m.b.H. Thermally responsive switch with a bimetal latch operating at right angles to the movement of the contacts. 3,416,117, 12–10–68, Cl. 337—358.
Grosser, Frederick: *See*—
Mayhew, Raymond L., and Grosser. 3,404,147.
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Merijan, Ashot, and Grosser. 3,404,127.
Merijan, Ashot, Grosser, and Hort. 3,417,054.
Grosser, Frederick, to General Aniline & Film Corp. Process for the production of dimethyl chloroacetal. 3,379,772, 4–23–68, Cl. 260—615.
Grosser, Frederick, and A. Merijan, to GAF Corp. Alkoxy- and aryloxy-ethylated polymers of heterocyclic N-vinyl monomers and process of preparing the same. 3,397,192, 8–13–68, Cl. 260—80.72.
Grossfield, Karl. Traction devices. 3,365,012, 1–23–68, Cl. 180—4.
Grosshandler, Stanley L., to The Foregger Co., Inc. Universal endotracheal tube coupling or adaptor. 3,388,705, 6–18–68, Cl. 128—351.
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Grossimon, Herbert P., J. O. McDonough, and G. T. Moore, to Concord Control, Inc. Planar digital encoder. 3,410,956, 11–12–68, Cl. 178—19.
Grosskopf, Karl, to O. H. Drager. Detector tube for hydrogen. 3,399,973, 9–3–68, Cl. 23—254.
Grosskopf, Rudolf E.: *See*—
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Grossman, Abraham; ½ to T. P. Mahoney. Closure with improved sash fastening. 3,411,239, 11–19–68, Cl. 49—62.
Grossman, Alan R. Drainage tube with means for scraping away debris therewithin. 3,416,532, 12–17–68, Cl. 128—350.
Grossman, James D.: *See*—
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Kuhne, Rudolf, Diery, and Grossmann. 3,376,299.
Grossmith, Frederick, to Beecham Research Laboratories Ltd. Chelate compounds and process for their preparation. 3,391,176, 7–2–68, Cl. 260—448.
Grossoehme, Floyd, to General Electric Co. Direct current power supplies with overload protection. 3,391,330, 7–2–68, Cl. 323—9.
Grossteinbeck, Rolf, G. Tepel, and W. Schulze, to Battelle Institut e.V. Paper and process for making same of synthetic fibers bonded at their intercrossing point by a thermoplastic polyamide resin. 3,401,078, 9–10–68, Cl. 162—146.
Grosswald, Sidney. Guide for portable saws. 3,373,781, 3–19–68, Cl. 143—167.
Grosu, Stefan. Single-phase transformer for electric arc welding. 3,418,563, 12–24–68, Cl. 323—48.
Groszek, Aleksander J., to The British Petroleum Co. Ltd. Graphite lubricant. 3,383,311, 5–14–68, Cl. 252—29.
Groszek, Aleksander J., to The British Petroleum Co. Ltd. Oleophilic tungsten disulphide. 3,384,579, 5–21–68, Cl. 252—25.
Groszek, Aleksander J., to The British Petroleum Co. Ltd. Dispersions and greases. 3,384,582, 5–21–68, Cl. 252—25.
Groszek, Aleksander J., to The British Petroleum Co. Ltd. Solid lubricant dispersions. 3,384,584, 5–21–68, Cl. 252—30.
Groszek, Aleksander J., to The British Petroleum Co. Ltd. Molybdenum disulphide. 3,390,080, 6–25–68, Cl. 252—25.
Groszek, Aleksander J., and S. R. Pethrick, to The British Petroleum Co. Ltd. Greases. 3,384,583, 5–21–68, Cl. 252—29.
Grote Mfg. Co., Inc., The: *See*—
Newman, Charles J., and Lucas. 3,400,262.
Grote, Warren B., to The Goodyear Tire & Rubber Co. Expandable tire building bladder apparatus. 3,386,875, 6–4–68, Cl. 156—416.
Grotefeld, Augustus W., deceased (H. Grotefeld, executrix), and B. Heath, to Triplex Safety Glass Co. Ltd. Glazings for vehicles. 3,375,626, 4–2–68, Cl. 52—208.
Grotefeld, Hedwig: *See*—
Grotefeld, Augustus W., and Heath. 3,375,626.
Grotewohl, John W., to Rex Chain Belt Inc. Safety device. 3,415,165, 12–10–68, Cl. 91—425.
Groth, Fred A., to Pasquale Associates, Inc. Method and apparatus for forming pizza shells. 3,379,141, 4–23–68, Cl. 107—4.
Groth, Fred A., to Pasquale Associates, Inc. Apparatus for forming pizza shells. 3,411,461, 11–19–68, Cl. 107—15.
Groth, Joachim, and H. Bencker, to Seitz-Werke G.m.b.H. Movable settling filter. 3,363,761, 1–16–68, Cl. 210—87.
Groth, Joachim, and H. Zelmet, to Seitz-Werke G.m.b.H. Apparatus for placing the closure lid on filled cans. 3,364,652, 1–23–68, Cl. 53—282.
Groth, Rolf, to North American Philips Co., Inc. Sodium vapor discharge lamp with infrared reflecting coating. 3,400,288, 9–3–68, Cl. 313—47.

Grothjan, Jerome R.: *See*—
Belcher, Samuel L., Biglin, and Grothjan. 3,395,826.
Grotnes Machine Works, Inc.: *See*—
Garver, Oscar W., Ullman, Stettler, and Kopp. 3,368,056.
Grotness, Gunnar, to Pneumatic-Hydraulic Development Co., Inc. Angular and lateral self-aligning rod coupling. 3,406,992, 10–22–68, Cl. 287—91.
Grotsch, Horst, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing sulfuric acid esters of levans. 3,380,999, 4–30–68, Cl. 260—234.
Grotsch, Horst, and H. Feier, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Low-molecular sulfuric acid esters of levans and process for preparing them. 3,413,284, 11–26–68, Cl. 260—234.
Grotz, Mike E. Potato peeler with eye removal cutting edge. 3,406,450, 10–22–68, Cl. 30—279.
Grove, Aaron M. Fishing reel construction. 3,373,953, 3–19–68, Cl. 242—104.
Grove Automation Co., Inc.: *See*—
Landry, Alfred. 3,362,496.
Grove, Earl I., to Gar Wood Industries, Inc. Welding cable construction. 3,363,047, 1–9–68, Cl. 174—15.
Grove, Earl I., to Gar Wood Industries, Inc. Welding cable and terminal assembly. 3,404,369, 10–1–68, Cl. 339—223.
Grove, Gene A.: *See*—
Caron, Philip E., and Grove. Re. 26,376.
Grove, John L., to Grove Mfg. Co. Boom jib assembly. 3,366,250, 1–30–68, Cl. 212—59.
Grove, John L., to Grove Mfg. Co. Safe load control device for cranes. 3,371,800, 3–5–68, Cl. 212—39.
Grove, John L., to Grove Mfg. Co. Method of and apparatus for extending a telescopic crane boom. 3,386,594, 6–4–68, Cl. 212—55.
Grove, Lyle J. Tank cleaner. 3,383,729, 5–21–68, Cl. 15—246.5.
Grove Mfg. Co.: *See*—
Grove, John L. 3,366,250.
Grove, John L. 3,371,800.
Grove, John L. 3,386,594.
Grove, Marvin H., to M & J Valve Co. Valve with gate member guide bars. 3,372,900, 3–12–68, Cl. 251—205.
Grove, Marvin H., to M & J Valve Co. Meter prover and diverter valve therefor. 3,387,632, 6–11–68, Cl. 137—625.43.
Grove, Marvin H., and K. W. Kim, to M & J Valve Co. Valve body construction. 3,372,903, 3–12–68, Cl. 512—329.
Grove, Marvin H., and K. W. Kim, to M & J Valve Co. Gate valve body construction including reinforcing members. 3,387,819, 6–11–68, Cl. 251—329.
Grove, Marvin H., and L. R. Van Arsdale, to M & J Valve Co. Valve leakage detector. 3,398,761, 8–27–68, Cl. 137—312.
Grove Valve and Regulator Co.: *See*—
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Connolly, Walter L. 3,371,677.
Grover, David N., and R. B. Crane, to Lear Siegler, Inc. Combination sky wave and direct wave communication. 3,378,847, 4–16–68, Cl. 343—103.
Grover, Elliott E., to Westinghouse Electric Corp. Refrigeration compressor. 3,411,705, 11–19–68, Cl. 230—29.
Grover, John R., and A. D. Jones, to United Kingdom Atomic Energy Authority. Glass composition comprising radioactive waste oxide material contained within a steel vessel. 3,365,578, 1–23–68, Cl. 250—106.
Grover Machine Co.: *See*—
Sauder, Gerald D. 3,416,760.
Grover, Richard T. Packing ring organization including a split ring unitarily comprising plastic and metal laminae. 3,390,889, 7–2–68, Cl. 277—198.
Groves, James A. Hitch construction. 3,374,268, 3–19–68, Cl. 280—512.
Groves, James D., to Minnesota Mining and Mfg. Co. Perfluoro-alkenylacrylates and polymers thereof. 3,393,186, 7–16–68, Cl. 260—89.5.
Groves, James D., and P. A. Jones, to British Titan Products Co. Ltd. Reduction in scale build-up in the vapor phase production of pigmentary metal oxides. 3,391,998, 7–9–68, Cl. 23—202.
Groves, James N., to General Electric Co. Product and process for establishing a sterile area of skin. 3,367,332, 2–6–68, Cl. 128—268.
Groves, John N., to Westinghouse Electric Corp. Circuit interrupter with interlock means and terminal cover. 3,368,053, 2–6–68, Cl. 200—168.
Groves, John N., to Westinghouse Electric Corp. Switch with position maintainer means. 3,401,240, 9–10–68, Cl. 200—6.
Groves, Ronald C., to General Motors Corp. Vacuum modulator. 3,397,621, 8–20–68, Cl. 92—48.
Groves, Wallace W., to Electra Mfg. Co. Machine for applying to cylindrical objects a controlled thickness of electrical coating material. 3,394,680, 7–30–68, Cl. 118—232.
Groves, Wilson T., and R. F. Lowry, to Dana Corp. Slip spline assembly. 3,367,142, 2–6–68, Cl. 64—23.
Grow, Harlow B. Toy with torque canceling sling. 3,362,101, 1–9–68, Cl. 46—59.
Grow, Harlow B. Gyroscopic toy. 3,365,835, 1–30–68, Cl. 46—50.
Grow, Harlow B. Music education device with tone generators corresponding to notes on a staff. 3,394,625, 7–30–68, Cl. 84—471.
Growney, Lawrence J.: *See*—
Adams, Vincent A., and Growney. 3,361,323.
Growney, Lawrence J., to Continental Can Co., Inc. Container with article receiving pockets. 3,363,825, 1–16–68, Cl. 229—28.
Growney, Lawrence J., to Continental Can Co., Inc. Shadow boxes. 3,388,787, 6–18–68, Cl. 206—45.14.
Grubb, Everett F., F. W. Hammer, and J. R. Monks, to Owens-Illinois, Inc. Method of treating glassware. 3,403,015, 9–24–68, Cl. 65—29.
Grubb, George C., and M. F. Nathan, to Pullman Inc. Fluid process useful in the recovery of hydrocarbons from tar sands. 3,372,734, 3–12–68, Cl. 165—1.
Grubb, George S. Wellhole notcher. 3,380,544, 4–30–68, Cl. 175—289.
Grubb, Hollis C.: *See*—
Weller, Peter A., and Grubb. 3,416,330.
Grubb, Kenneth W. Compensated key slot cutting apparatus and system. 3,367,376, 2–6–68, Cl. 144—87.
Grubbens & Co. Aktiebolag: *See*—
Wallén, Emil O. L. 3,376,976.
Grubbs, Thomas M., to United States of America, National Aeronautics and Space Administration. Tension measurement device. 3,381,527, 5–7–68, Cl. 73—144.
Grube, William L.: *See*—
Rahmel, Henry A., and Grube. 3,387,797.
Grube, William L., to MacLean-Fogg Lock Nut Co. Automatic two-speed hand brake mechanism. 3,408,881, 11–5–68, Cl. 74—505.
Grubelic, Nicholas. Apparatus for shaking paint cans. 3,415,495, 12–10–68, Cl. 259—75.
Gruben, Arnold H.: *See*—
Carlick, Daniel J., Gruben, McFarlane, and Kissel. 3,383,391.
Gruber, Alvin V., to Herman Kahn. Anti-scale composition. 3,397,149, 8–13–68, Cl. 252—181.
Gruber, Bernard A., to Monsanto Co. Process of casting a molten metal with dispersion of fibrous form of beta silicon carbide. 3,364,975, 1–23–68, Cl. 164—55.
Gruber, Bernard A., to Monsanto Co. Article containing silicon carbon fibers. 3,386,840, 6–4–68, Cl. 106—44.
Gruber, Bernard A., to Monsanto Co. Process for the production of boron phosphide. 3,395,986, 8–6–68, Cl. 23—204.
Gruber, Cheldon, and P. L. Auer, to Sperry Rand Corp. Electron beam-plasma device operating at multiple harmonics of beam cyclotron frequency. 3,363,138, 1–9–68, Cl. 315—39.
Gruber, Edward A.: *See*—
Anthony, Andrew J., and Gruber. 3,366,546.
Gruber, Elbert E.: *See*—
Elmer. Otto C., and Gruber. 3,380,957.
Gruber, George E., to Monitor Mfg., Inc. Bin level indicator with scored diaphragm. 3,396,694, 8–13–68, Cl. 116—114.
Gruber, George H., Jr., to E. I. du Pont de Nemours and Co. Electric ignition assembly. 3,366,054, 1–30–68, Cl. 102—28.
Gruber, Hermann: *See*—
Blomeyer, Friedrich, Gruber, Hebermehl, and Kubens. 3,369,000.
Gruber, Stephen A. Fluid biased flow control means. 3,377,048. 4–9–68, Cl. 251—175.
Gruber, Thomas J.: *See*—
Acker, George H., Gruber, and Leber. 3,409,104.
Gruber, Thomas J., to Eaton Yale & Towne Inc. Line strainer indicating device. 3,366,240, 1–30–68, Cl. 210—90.
Gruber, Thomas J., to Eaton Yale & Towne Inc. Reversing valve. 3,406,789, 10–22–68, Cl. 184—7.
Gruber, Thomas J., to Eaton Yale & Towne Inc. Series multiple type of two-line lubrication system. 3,406,790, 10–22–68, Cl. 184—7.
Gruber, Thomas J., and W. W. Lyth, to Eaton Yale & Towne Inc. Solid state timing control for single cycle progressive lubricating systems. 3,381,776, 5–7–68, Cl. 184—6.
Gruber, Wilhelm, to Rohm & Haas G.m.b.H. Preparation of dithiooxamide. 3,385,890, 5–28–68, Cl. 260—551.
Gruber, William J. Cap construction. 3,390,405, 7–2–68, Cl. 2—197.
Gruchmann, Frank P.: *See*—
Connelly, Gordon F., and Gruchmann. 3,368,729.
Gruczelak, Norman P., to Texas Instruments Inc. Reel hold down knob. 3,879,388, 4–23–68, Cl. 242—68.3.
Grudoski, Daniel P., to Blazon, Inc. Safety frame for hobby-horses and other suspended seating devices. 3,406,934, 10–22–68, Cl. 248—165.
Grudus, Gabriel M.: *See*—
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Grue, Olav E. Apparatus for reproducing colored television signals. 3,414,758, 12–3–68, Cl. 315—13.
Gruen Industries, Inc.: *See*—
Tripet, Jean, and Deletraz. 3,404,527.
Gruen, Wolf J., to The Bunker-Ramo Corp. Display device and method of manufacturing same. 3,384,712, 5–21–68, Cl. 178—7.87.
Grueninger, Carl E., to Waukesha Cutting Tools, Inc. Milling cutter cartridge. 3,383,988, 5–21–68, Cl. 90—11.
Gruenman, Vsevolod, M. Hoffer, J. P. O'Brien, A. I. Rachlin, and G. Zbinden, to Hoffmann-La Roche Inc. Novel sulfonamide compounds and processes. 3,382,260, 5–7–68, Cl. 260—397.7.
Gruenstein, Rolf J., to Lockheed Aircraft Corp. Mold for inverted circuitry. 3,381,930, 5–7–68, Cl. 249—140.
Gruenwald, Geza, to General Electric Co. Compositions of epoxy resin, lactam and aliphatic polycarboxylic material. 3,396,145, 8–6–68, Cl. 260—47.

Gruenzweig & Hartmann AG: *See*—
Eberle, Hans, and Wuttke. 3,417,171.
Gruettner, Jack E. Surface covering and method of applying same. 3,388,515. 6–18–68, Cl. 52—222.
Gruhl, Winfried: *See*—
Hoffmann, Robert, Schuster, Gruhl, Michel, and Noske. 3,394,080.
Gruhl, Wolfgang, and G. Scharf, to Vereinigte Aluminum-Werke Aktiengesellschaft. Heat treatment of aluminum alloys. 3,379,538, 4–23–68, Cl. 148—11.5.
Grulke, Carl A.: *See*—
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Grulke, Carl A., and R. A. Powers, to Union Carbide Corp. Galvanic dry-tape cell construction. 3,379,574, 4–23–68, Cl. 136—90.
Grulke, Emil G. Grain cleaning device. 3,370,705, 2–27–68, Cl. 209—240.
Gruller, David L.: *See*—
Williams, Leonard E., Jr., and Gruller. 3,419,071.
Grumbacher, M., Inc.: *See*—
Franco, Alfred M. 3,384,222.
Grumblatt, Victor J., to Lord Corp. Slip coupling. 3,386,266, 6–4–68, Cl. 64—30.
Grumblatt, Victor J., to Lord Corp. Railway car shock protection device. 3,390,787, 7–2–68, Cl. 213—8.
Grumman Aircraft Engineering Corp.: *See*—
Cook, Jerome M. 3,374,375.
Grumman, Eugene V. Jack and a base for trailers whereln there is spherical seat between the jack and base structure. 3,399,866, 9–3–68, Cl. 254—101.
Grün, Gustav. Process and device for continuously treating powdered materials with stabilizing substances. 3,385,724, 5–28–68, Cl. 117—100.
Grunberg, Jacques F. and H. Takagi, to L'Air Liquide Societe Anonyme Pour l'Etude and Teikoku Sanso Kabushiki Kaisha. Liquefaction of natural gas by cascade refrigeration. 3,418,819, 12–31–68, Cl. 62—11.
Grunder, Hans-Rudolf, and F. Merz, to Maschinenfabrik Rieter A.G. Apparatus and method for spinning core-yarn. 3,389,545, 6–25–68, Cl. 57—12.
Grundig E.M.V. Elektro-Mechanische Versuchsanstalt Inh. Max Grundig: *See*—
Stuiber, Walter. 3,400,799.
Wagner, Richard. 3,396,393.
Grundig Electro-Mechanische Versuchsanstalt: *See*—
Jacob Karlheinz. 3,389,942.
Grundig, Heinz G., and W. Rosl, to International Standard Electric Corp. Miniature rotary stepping switch. 3,394,236, 7–23–68, Cl. 200—11.
Grundig, Helmut: *See*—
Breuer, Karl, Grundig, and Pottbacker. 3,368,368.
Grundig, Max: *See*—
Stuiber, Walter, and Mueller. 3,405,793.
Grundin, Ivan W., K. A. Anulf, and C. A. Berglund. Switching system for establishing connections between transmission lines in telecommunication systems or the like. 3,383,471, 5–14–68, Cl. 179—18.
Grundmann, Gustave L., and J. J. Serafini, to Radio Corp. of America. Electron beam deflection circuit. 3,365,608, 1–23–68, Cl. 315—27.
Grundmann, Werner, H. D. Hermann, K.-H. Kasten, and O. Kammann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for isolating granular polyoxymethylene from a solution. 3,371,066, 2–27–68, Cl. 260—67.
Grundner, Warren T.: *See*—
Calmon, Calvin, and Grundner. 3,382,039.
Grundschober, Friedrich: *See*—
Sambeth, Joerg, and Grundschober. 3,406,148.
Grundschober, Friedrich, and J. Sambeth, to Rhodiaceta. Reticulated polyimides and method of producing same from N,N'-bis-imides. 3,380,964, 4–30–68, Cl. 260—47.
Grüneberg, Gerhard: *See*—
Vielstich, Wolf, and Grüneberg. 3,365,333.
Gruner, Frederick R., to Amtek, Inc. Double edge centrifugal plow. 3,402,823, 9–24–68, Cl. 210—375.
Gruner, Frederick R., and K. A. Anderson, to Ametek, Inc. Filter. 3,392,841, 7–16–68, Cl. 210—347.
Gruner, Hans-Helmut: *See*—
Lehmann, Kurt, and Gruner. 3,382,804.
Gruner, Heinz E. R., to Bausch & Lomb Inc. Nadir point indicating optical device for photogrammetric projection plotter. 3,366,007, 1–30–68, Cl. 88—24.
Gruner, Karl F., and H. K. Lau, to Honeywell G.m.b.H. Fluid diverting valve. 3,411,538, 11–19–68, Cl. 137—625.29.
Grunert, Kurt A.: *See*—
Conner, John P., and Grunert. 3,368,171.
Grunewald, Waldemar F. W., and J. Peiler, to Firma Dornbusch & Co. Embosing roll, in particular for the treatment of webs of thermoplastic material. 3,386,130, 6–4–68, Cl. 18—10.
Grunfeld, Charles. Split bracket. 3,383,127, 5–14–68, Cl. 287—51.
Grunig, Hans, to Maschinenfabrik Winkler, Fallert & Co. A.G. Printing cylinder clamp for tensioning flexible printing plates. 3,410,211, 11–12–68, Cl. 101—415.1.
Grunig, James K., W. C. Aitkenhead, and W. B. Davis, to The Anaconda Co. Precipitation of beryllium from ores. 3,395,975, 8–6–68, Cl. 23—18.
Grünwald, Erich, to Siemens Aktiengesellschaft. Magnet structure with an air gap of variable width. 3,398,385, 8–20–68, Cl. 335—210.
Grunwald, John J., to MacDermid Inc. Dry compositions for deoxidizing and desmutting aluminum and aluminum alloys. 3,373,114, 3–12–68, Cl. 252—136.
Grunze, Herbert and I., to Deutsche Akademie der Wissenschaften Zu. Lubricating composition and method. 3,368,970, 2–13–68, Cl. 252—25.
Grunze, Ingrid: *See*—
Grunze, Herbert and I. 3,368,970.
Grunzweig & Hartmann AG.: *See*—
Kurtze, Gunter. 3,386,528.
Gruschke, Hans, W. Hammerschick, and H. Medem, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for depolymerizing polyethylene-terephthalate to terephthalic acid dimethyl ester. 3,403,115, 9–24–68, Cl. 260—2.3.
Grushkin, Bernard, to W. R. Grace & Co. Phosphonitrile. 3,370,089. 2–20–68, Cl. 260—551.
Grushkin, Bernard, to W. R. Grace & Co. Modified triphosphonitrilic polymer compositions. 3,384,611, 5–21–68, Cl. 260—39.
Grushkin, Bernard, and R. G. Rice, to W. R. Grace & Co. Selective preparation of 2,4,6,8-tetrachloro-2,4,6,8-tetraphenyltetraphosphonitrile. 3,394,177, 7–23–68, Cl. 260—543.
Gruska, Ralph, to Cope Allman Export S.A. Lipstick cartridge. 3,380,795, 4–30–68, Cl. 401—78.
Grütter, Walter, to J. Bobst et Fils S.A. Machines for handling sheets. 3,383,929, 5–21–68, Cl. 74—53.
Gruver, Helene B. Garment dryer and shaping apparatus. 3,401,852, 9–17–68, Cl. 223—69.
Gruver, Jerry T.: *See*—
Kraus, Gerard, and Gruver. 3,362,931.
Gruver, Jerry T., to Phillips Petroleum Co. Polymer stabilization with 1,4,7,9β and-tetrazaphenalene compounds. 3,397,167, 8–13–68, Cl. 260—33.6.
Gruver, John H., to Addressograph-Multigraph Corp. Drying processed photographic material. 3,364,594, 1–23–68, Cl. 34—162.
Gruyé, Dale W.: *See*—
Sommers, Edwin J., Gruyé, Vogt, and McCroskey. 3,413,050
Gryctko, Carl E.: *See*—
Shaffer, Howard R., and Gryctko. 3,379,843.
Gryctko, Carl E., to I-T-E Circuit Breaker Co. Circuit breaker trip unit assembly with improved thermal characteristics. Re. 26,465, 9–24–68, Cl. 337—146.
Gryctko, Carl E., to I-T-E Circuit Breaker Co. Circuit breaker stack including auxiliary features. 3,369,202, 2–13–68, Cl. 335—9.
Gryctko, Carl E., to I-T-E Circuit Breaker Co. Auxiliary thermal element for altering trip unit characteristics. 3,382,334, 5–7–68, Cl. 200—116.
Gryctko, Carl E., to I-T-E Circuit Breaker Co. Selective mounting of different circuit breaker types within a single panelboard. 3,402,328, 9–17–68, Cl. 317—119.
Grygera, James W., to Eaton Yale & Towne, Inc. Control apparatus for electrically operated clutch and brake. 3,379,292, 4–23–68, Cl. 192—12.
Grymes, Stanley: *See*—
Benedetti, John B., and Grymes. 3,384,273.
Grzych, Stanley J.: *See*—
Landis, H. Richard, and Grzych. 3,403,820.
Grzywacz, Walter: *See*—
Holt, Pliny G., Guarino, Spangenberg, and Grzywacz. 3,368,064.
Gstohl, Donavon A., to Marigold Foods, Inc. Package for frozen pizza and the like. 3,410,700, 11–12–68, Cl. 99—192.
Guagliardo, Matthew: *See*—
Bolstad, Richard, and Guagliardo. 3,391,130.
Gualandi, Dante, and P. Jehenson, to European Atomic Energy Community (Euratom). Process for obtaining Al-Al_2O_3 structures for nuclear applications. 3,394,000, 7–23–68, Cl. 75—206.
Gualandris, Emmanuel, and H. W. Hessling. Device for arranging and stacking objects on a charging floor. 3,416,674, 12–17–68, Cl. 214—6.
Gualtier, Quentin E., to Rapid Tool & Mfg. Co., Inc. Apparatus for making composite articles. 3,380,118, 4–30–68, Cl. 18—30.
Guanella, Gustav, to Patelhold Patentverwertungs- und Electro-Holding AG. Compensation system having feed forward and feedback circuits for canceling leading and trailing edge distortion of signal pulses. 3,381,245, 4–30–68, Cl. 333—20.
Guano-Werke Aktiengesellschaft (vormals Ohlendorff'sche und Nerck'sche Werke): *See*—
Scheel, Kurt C., and Ebsen. 3,396,003.
Guard, Gilbert M., to Westinghouse Electric Corp. Electric control circuit for an auger type ice maker. 3,365,901, 1–30–68, Cl. 62—137.
Guard, Gilbert M., to Westinghouse Electric Corp. Auger type icemakers. 3,372,558, 3–12–68, Cl. 62—320.
Guardian Chemical Corp.: *See*—
Globus, Alfred R. 3,389,120.
Guardian Industries, Inc.: *See*—
Hall, Robert A. 3,392,246.
Hall, Robert A. 3,409,885.
Guardsman Chemical Coatings, Inc.: *See*—
Anagnostou, Taki J., and Golub. 3,362,920.
Guarino, Louis S.: *See*—
Holt, Pliny G., Guarino, Spangenberg, and Grzywacz. 3,368,064.

Guarnaccio, Anthony J., to Universal Oil Products Co. Process for recovery of boron halides from hydrocarbons. 3,363,986, 1–16–68, Cl. 23—205.

Guarnaschelli, Vincent, to Mutual Industries, Inc. Exhaust burners for internal combustion engines. 3,415,055, 12–10–68, Cl. 60—29.

Guasco, Roger A., and J. Ignacio; said Ignacio, assor. to Ateliers de Constructions de Vaux Andigny (ACOVA). Insulation fault control device with light sensitive elements. 3,402,326, 9–17–68, Cl. 317—18.

Guastavino, Antonio. Photocell arrangement circuitry to check longitudinal register by printing, with error provision and advanced corrections. 3,399,306, 8–27–68, Cl. 250—219.

Guba, Peter, and C. Sweeney. High shear dispersion unit. 3,398,900, 8–27–68, Cl. 241—67.

Gubb, Kenneth F.: *See*—
Seilly, Alec H., Gubb, and Peltret. 3,399,575.

Gubbay, Jacob D., R. H. Stricker, and H. Wittler, to The Singer Co. Sewing machine throat plate locating and securing means. 3,373,709, 3–19–68, Cl. 112—260.

Gubbins, Robert M.: *See*—
Baker, Owen R., Gubbins, and Hentschel. 3,402,695.

Gubert, Stanislav V., and D. M. A. Rabinovich, to Gosudarstvenny souzny Institute po Proektirovanin metallurgicheskich zavodov. Machine for thorough quenching of rolled profiles especially of railway rails. 3,380,725, 4–30–68, Cl. 266—6.

Gubitose, Nicholas F., and J. J. Monahan, to Western Electric Co., Inc. Apparatus for assembling switches. Re. 26,435, 8–6–68, Cl. 65—154.

Gubler, Kurt, to Geigy Chemical Corp. Certain pyrazolyl carbamic acid esters. 3,395,155, 7–30–68, Cl. 260—310.

Gubler, Kurt, to H. A. Whitten & Co. Insecticidal method and composotions comprising heterocyclic carbamic acid esters. 3,415,933, 12–10–68, Cl. 424—273.

Guddal, Karl. Building stud. 3,364,640, 1–23–68, Cl. 52—364.

Guddal, Karl. Method of making a cast in place wall. 3,402,522, 9–24–68, Cl. 52—741.

Gude, Fritz: *See*—
Schmitt, Karl, Gude, Rindtorff, and Disteldorf. 3,401,190.

Gudelis, David A., to Esso Research and Engineering Co. Oil-soluble metal sulfonates and lubricants containing them. 3,367,865, 2–6–68, Cl. 252—33.

Gudmestad, Ragnar, to Artos Engineering Co. Wire cutting and stripping machine. 3,368,428, 2–13–68, Cl. 81—9.51.

Gudmestad, Ragnar, to Artos Engineering Co. Wire collector operating in synchronism with a wire processing machine. 3,368,429, 2–13–68, Cl. 81—9.51.

Gudmestad, Ragnar, to Artos Engineering Co. Endless belt. 3,368,728, 2–13–68, Cl. 226—172.

Gudmestad, Ragnar, to Artos Engineering Co. Counting device. 3,378,196, 4–16–68, Cl. 235—132.

Gudmundsen Richard A.: *See*—
Waite, Thomas R., and Gudmundsen. 3,363,104.

Gudmundson, Clark. Boat trailer. 3,360,809, 1–2–68, Cl. 9—1.

Gudmundson, Clark. Boat trailer. 3,365,733, 1–30–68, Cl. 9—1.

Gudmundson, Kristinn F. Christmas tree stand. 3,403,877, 10–1–68, Cl. 248—48.

Guelda, Eugene J.: *See*—
Townsend, Merlyn E., Guelda, and La Rue. 3,372,898.

Guenin, Andre L., to La Nationale S. A. Liquid gas filling valve. 3,398,769, 8–27–68, Cl. 141—293.

Guenst, William C., Jr.: *See*—
Patsko, Robert J., and Guenst. 3,402,083.

Guenter, Richard G., to United States of America, Army. Propellant grains. 3,380,386, 4–30–68, Cl. 102—99.

Guenter, Richard G., to United States of America, Army. Solventless extrusion process for forming rocket propellant grains. 3,390,210, 6–25–68, Cl. 264—3.

Guenter, Richard G., to United States of America, Army. Apparatus for forming rocket propellant grains. 3,418,686, 12–31–68, Cl. 18—12.

Guenthard, Jacques, and F. Mueller, to Sandoz Ltd., (a/k/a Sandoz A.G.). Process for dyeing synthetic polyamide fibers with 1,4-di substituted anthraquinone dyes. 3,411,861, 11–19–68, Cl. 8—39.

Guenther, Arthur H., to United States of America, Air Force. High voltage switch. 3,398,322, 8–20–68, Cl. 315—150.

Guenther, Arthur W. E., to E. Hildebrandt. Wire bending apparatus. 3,405,742, 10–15–68, Cl. 140—103.

Guenther, Karl R., and M. B. Perkins, to Esso Research and Engineering Co. Process for producing high protein feed supplements from hydrocarbons. 3,384,491, 5–21–68, Cl. 99—9.

Guenthner, Richard A., and J. D. Lazerte, to Minnesota Mining and Mfg. Co. Fluorocarobn urethane compounds. 3,398,182, 8–20–68, Cl. 260—455.

Guerci, Carl F., and M. W. Shafer, to International Business Machines Corp. Method of making crystals of rare earth chalcogenides. 3,370,924, 2–27–68, Cl. 23—301.

Guerci, Carl F., and M. W. Shafer, to International Business Machines Corp. Method of preparing transparent ferromagnetic single crystals. 3,376,157, 4–2–68, Cl. 117—106.

Guerin, Jean, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electrique d'Ugine. Process for production of alkaline cyanides. 3,365,270, 1–23–68, Cl. 23—79.

Guerin, Robert E. Means of combating atmospheric pollution, and a corresponding burner. 3,383,049, 5–14–68, Cl. 239—400.

Guerke, Peter O., to Miami Beach Yacht Corp. Cargo ramp assembly. 3,411,169, 11–19–68, Cl. 14—71.

Guerne, William, to Brevets Aero-Mecaniques S.A. Explosive appliances with a delay mechanism. 3,376,819, 4–9–68, Cl. 102—76.

Guernet, Jacques, to Compagnie d'Applications Mecaniques a l'Atomistque (C.A.M.E.C.A.) Automatic film or tape reproducing apparatus. 3,386,674, 6–4–68, Cl. 242—55.12.

Guernet, Jacques, to Compagnie d'Applications Mechaniques a l'Atomistique (C.A.M.E.C.A.). Reel for storage and supply of tape or film. 3,400,897, 9–10–68, Cl. 242—74.

Guernsey, Edwin O., and W. E. Smith, to Mobil Oil Corp. Method of making telomers by means of nuclear radiation. 3,398,075, 8–20–68, Cl. 204—162.

Guernsey, Lloyd B., to General Electric Co. Regenerative amplifier for changing voltage levels. 3,378,782, 4–16–68, Cl. 330—26.

Guerri, Innocenti, and L. Abbiati. Small hanging basket for beach-umbrellas. 3,414,133, 12–3–68, Cl. 211—133.

Guerriere, Thomas V.: *See*—
Richter, Frederick G., and Guerriere. 3,386,097.

Guerrieri, Salvatore, to The Lummus Co. Preparation of alkali metal carbonates from the corresponding sulfates or sulfides. 3,401,010, 9–10–68, Cl. 23—63.

Guerrieri, Salvatore A., to The Lummus Co. Grid for fluidized solid vessels. 3,370,361, 2–27–68, Cl. 34—57.

Guerrieri, Savatore A., to The Lummus Co. Process for producing hydrogen from a carbonaceous material. 3,392,000, 7–9–68. Cl. 23—211.

Guerrieri, Salvator A., to The Lummus Co. Chemical process for the production of oxygen and nitrogen from air. 3,406,014, 10–15–68, Cl. 23—221.

Guerrieri, Salvatore A., to The Lummus Co. Chemical process for producing iron from iron ore. 3,416,914, 12–17–68, Cl. 75—34.

Guerst, Jan A., and G. L. Walther, to North American Philips Co., Inc. Asymmetrically gapped multiple magnetic head. 3,384,882, 5–21–68, Cl. 340—174.1.

Guerth, Fritz A., to G. L. Collins Corp. Method and apparatus for producing duplicate magnetized articles and articles produced thereby. 3,409,853, 11–5–68, Cl. 335—284.

Guerth, Fritz A., to G. L. Collins Corp. Position determining system utilizing magnetic recording. 3,409,884, 11–5–68, Cl. 340—174.1.

Guertin, Clifford D., to American Bank Note Co. Safety inks and documents. 3,400,003, 9–3–68, Cl. 117—1.

Guess, George H. Coffee making machine. 3,410,197, 11–12–68, Cl. 99—298.

Guess, Joseph R. Wire-crimping machine. 3,364,957, 1–23–68, Cl. 140—105.

Guest, Dorothy J., A. Lowe, and B. A. Mountfield, to Imperial Chemical Industries Ltd. Manufacture of isocyanate reaction products from a mixture of an organic diisocyanate, an aliphatic glycol, and a monohydric phenol. 3,393,177, 7–16–68, Cl. 260—47.

Guest, John, and J. A. Knox, to Halliburton Co. Well casing seals. 3,387,656, 6–11–68, Cl. 166—25.

Guest, Kenneth E.: *See*—
Cholin, Roger R., and Guest. 3,419,083.

Guestaux, Claude, and D. Gallois, to Eastman Kodak Co. Photosensitive products for preparing gravure resists. 3,396,025, 8–6–68. Cl. 96—83.

Guetersloh, Donald G., and D. F. Wigner, to General Motors Corp. Vacuum control unit. 3,370,577, 2–27–68, Cl. 123—99.

Guettel, Marvin A.: *See*—
Eckl, James J., and Guettel. 3,378,696.

Guettel, Marvin A., to Square D Co. Resistance welder control circuit with up-down slope control and current regulator circuits. 3,387,112, 6–4–68, Cl. 219—114.

Guettel, Marvin A., to Square D Co. Stud welder control circuit. 3,414,701, 12–3–68, Cl. 219—98.

Guettler, Gerald F., and R. H. Roosen, to General Electric Co. Bi-directional ring counter. 3,371,222, 2–27–68, Cl. 307—222.

Guey, Daniel A., and M. A. M. Briez, to La Brosse et J. Dupont Reunis. Method and device for rounding brush bristles. 3,384,418, 5–21–68, Cl. 300—21.

Gugelot, Hans, deceased (M. Gugelot-Chuard, heir), P. Hoppe, E. Reichl, and E. Weinbrenner, to Farbenfabriken Bayer Aktiengesellschaft. Vehicle underbody of sandwich construction. 3,415,568, 12–10–68, Cl. 296—31.

Gugelot-Chuard, Marie-Helene: *See*—
Gugelot, Hans, Hoppe, Reichl, and Weinbrenner. 3,415,568.

Gugenhan, Heinrich, and A. Gego. Machine for thinning out rows of plants. 3,361,217, 1–2–68, Cl. 172—94.

Gugerli, Ulrich, to Sandoz Ltd. (also known as Sandoz AG). Color matching process. 3,368,864, 2–13–68, Cl. 8—25.

Guggemos, Kenneth F. Recessed hinged base standard. 3,364,635, 1–23–68, Cl. 52—122.

Guggenheim, Frederick F., and M. A. Shriro, to Markite Corp. End closure means for linear displacement potentiometers. 3,392,360, 7–9–68, Cl. 338—176.

Guggenheim, Herbert, to General Foods Corp. Method for freezing coffee extract. 3,408,919, 11–5–68, Cl. 99—192.

Guggenheim, Howard J.: *See*—
Dietz, Robert E., Guggenheim, and Johnson. 3,381,240.

Gugger, Paul, and U. Strasser, to Oerlikon Engineering Co. Method of producing the individual magnets of a circular path atomic particle accelerator including finishing the surface of the poles by electrical discharge machining. 3,410,980, 11–12–68, Cl. 219—69.

Gugger, Rene: *See*—
Leclercq, Rene. 3,383,762.
Guggi, Walter B., to Radio Corp. of America. Stabilized sine wave inverter. 3,416,063, 12–10–68, Cl. 321—16.
Guggisberg, Ernst, to Graphicart Internationale Ausrustungsgesellschaft fur graphische Kunst A.G. Apparatus for the individual separation of folded paper articles from a stack of such articles. 3,394,930, 7–30–68, Cl. 271—11.
Gugler, Victor F.: *See*—
Poppe, Robert B., and Gugler. 3,408,981.
Gugler, Victor F. Cake icing machine. 3,405,681, 10–15–68, Cl. 118—25.
Guglielmetti, Leonardo: *See*—
Siegrist, Adolf E., Maeder, Guglielmetti, and Liechti. 3,413,233.
Guglielmetti, Pietro. Toolholder, particularly for lathe-machining of deep holes. 3,375,741, 4–2–68, Cl. 77—58.
Guglielmi, Antonio, to Ducati Elettrotecnica S.p.A. A.C. battery-charging generator with regulating sysem. 3,379,957, 4–23–68, Cl. 322—29.
Guglielmino, Agatino, L. Corbelli, and E. Di Giulio, to Montecatini Edison S.p.A. Low temperature vulcanization of monoolefin-nonconjugated polyolefin elastomeric interpolymers using hydroperoxides. 3,407,158, 10–22–68, Cl. 260—23.5.
Guglielmelli, Lewis A., M. O. Weaver, and C. R. Russell, to United States of America, Agriculture. Saponified starch acrylate grafts. 3,377,302, 4–9–68, Cl. 260—17.4.
Gugliotta, Emanuele: *See*—
Scarfì, Alberta, and Gugliotta. 3,415,620.
Guhn, Darrold L., to Essex Wire Corp. Alternating current voltage regulator utilizing electromagnetic switch means, an autotransformer and voltage sensing means. 3,419,790, 12–31–68, Cl. 323—43.5.
Guichet, Lucien R., and G. J. Gotoghian, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Method of coating graphite with a refractory coating and products obtained by such method. 3,366,464, 1–30–68, Cl. 29—191.
Guidarelli, Elio J., to Soy Food Products, Inc. Soybean treating process. 3,407,073, 10–22–68, Cl. 99—98.
Guidi, Guido N. G. Multipurpose wind instrument. 3,373,606, 3–19–68, Cl. 73—189.
Guidi, Vinzenz, and M. Meier, to Aktiengesellschaft Brown, Boveri & Cie. Machine tool for back working of bore holes. 3,407,703, 10–29–68, Cl. 90—11.
Guidi, William R., to Aladdin Industries Inc. Fluid detection device. 3,363,466, 1–16–68, Cl. 73—295.
Guido, Carlo, and F. F. Para. Device for indicating broken threads in spinning machines. 3,411,281, 11–19–68, Cl. 57—34.
Guido, Frank: *See*—
Berger, Jerome, Guido, and Fesko. 3,403,404.
Guidry, Bernard. Self-propelled fishing gig. 3,405,472, 10–15–68, Cl. 43—6.
Guienne, Paul, to Bertin & Cie. Feed system for multiple air cushion type platforms. 3,373,837, 3–19–68, Cl. 180—118.
Guienne, Paul F.: *See*—
Bertin, Jean H., Feve, and Guienne. 3,417,709.
Bertin, Jean H., and Guienne. 3,382,945.
Guienne, Paul F., to Societe Bertin & Cie. Pressure fluid cushion sealing system for tracked ground effect machines. 3,385,390, 5–28–68, Cl. 180—116.
Guiffre, Vincent, to The Colonial Sugar Refining Co. Ltd. Liquid carbon dioxide refrigeration control system. 3,400,550, 9–10–68, Cl. 62—64.
Guiffre, Vincent, Colonial Sugar Refining Co. Ltd. Liquid carbon dioxide refrigeration. 3,403,530, 10–1–68, Cl. 62—303.
Guiguizian, Jacques: *See*—
Howes, Irving C., and Guiguizian. 3,383,060.
Guilbault, George G.: *See*—
Kramer, David N., Guilbault, and Cannon. 3,366,555.
Guilbault, George G., and D. N. Kramer, to United States of America, Army. Method of measuring enzyme activity. 3,378,463, 4–16–68, Cl. 195—103.5.
Guilbault, George G., and D. N. Kramer, to United States of America, Army. Direct fluorometric method for measuring dehydrogenase activity. 3,384,555, 5–21–68, Cl. 195—103.5.
Guilbault, George G., and D. N. Kramer, to United States of America, Army. Naphthyl esters as fluorogenic substrates for enzymes. 3,410,756, 11–12–68, Cl. 195—103.5.
Guilbault, Lawrence J., and D. G. Schwenger, to General Electric Co. Insulated electrical conductor. 3,414,856, 12–3–68, Cl. 336—205.
Guilbert, Inc.: *See*—
Guilbert, Nicholas R., Jr. 3,396,822.
Guilbert, Nicholas R., Jr., to Guilbert, Inc. Drawbridge. 3,396,822, 8–13–68, Cl. 187—98.
Guild Metal Joining Equipment Co.: *See*—
Wheeler, Donald J., and Lohrenz. 3,378,185.
Wheeler, Donald J., and Lohrenz. 3,394,857.
Wheeler, Donald J., and Lohrenz. 3,403,833.
Guiles, Jeremy S. Article support. 3,383,120, 5–14–68, Cl. 281—33.
Guilhamat, Louis, and F. Mounier-Poulat, to Automobiles M. Berliet. Hydro-pneumatic suspension systems. 3,387,856, 6–11–68, Cl. 280—96.2.
Guilie, Joe D., to Icore Industries. Diverter unit for roller conveyor. 3,370,685, 2–27–68, Cl. 193—36.
Guillard, Claude, G. Morillot, and G. Sud, to CSF-Compagnie Generale de Telegraphie Sans Fil. Storage tube. 3,413,514, 11–26–68, Cl. 315—12.
Guillaud, Charles: *See*—
Paulus, Max, and Guillaud. 3,414,372.
Guillaume, Andre E.: *See*—
Loty, Charles, and Guilloaume. 3,376,464.
Guillaume, Jean-Claude: *See*—
Laine Paul, and Guillaume. 3,384,979.
Guillaume, Yves, to Compagnie de Saint-Gobain. Sheet handling apparatus and method. 3,410,425, 11–12–68, Cl. 214—7.
Guillerm, Theophile. Apparatus for automatically controlling admission to theaters and the like. 3,374,872, 3–26–68, Cl. 194—10.
Guillet, James E.: *See*—
Coover, Harry W., Jr., and Guillet. 3,365,328.
McCall, Marvin A., and Guillet. 3,407,163.
Guillet, James E., and H. W. Coover, Jr., to Eastman Kodak Co. Process for thermally degrading polyethylene. 3,418,306, 12–24–68, Cl. 260—94.9.
Guilleux, Robert, to Compagnie Centrale Sicli. Apparatus comprising a signal output circuit responsive to a variable D.-C. voltage input. 3,382,364, 5–7–68, Cl. 250—83.6.
Guilloteau, Rene: *See*—
Conche, Francois, Duboz, Guilloteau, and Pillerault. 3,383,923.
Guin, Joel B.: *See*—
Tumm, Guenter W., and Guin. 3,408,432.
Guin, Joel B. Jungle warfare aircraft weapon. 3,362,289, 1–9–68, Cl. 89—1.
Guin, Joel B. Aircraft in-flight cargo loaders. 3,369,796, 2–20–68, Cl. 258—1.2.
Guin, Joel B. Open water missile and cargo launching systems. 3,373,657, 3–19–68, Cl. 89—1.81.
Guin, Joel B. Air vibration drill. 3,373,825, 3–19–68, Cl. 173—59.
Guin, Joel B. Reversing blade rotary engine. 3,397,680, 8–20–68, Cl. 123—11.
Guin, Joel B. Liquid shock motor and pumping device. 3,398,686, 8–27–68, Cl. 103—1.
Guinard, Paul A., to Society Etablissements Pompers Guinard. Watertight electric motors. 3,361,916, 1–2–68, Cl. 310—86.
Guinau, Oscar A.: *See*—
Unk, Jacob M., and Guinau. 3,378,674.
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Gustafson, Walter R., and W. H. McMillen, to United States of America, Navy. Multi-sensor display apparatus. 3,380,-028, 4–23–68, Cl. 340—172.5.
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Gustavsson, David, and S.-E. N. Eriksson, to Atlas Copco Aktiebolag. Vehicle construction. 3,393,759, 7–23–68, Cl. 180—6.48.
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Gustavsson, Karl-Axel G., to Aktiebolaget Bahco. Sealing means for band filters. 3,398,511, 8–27–68, Cl. 55—290.
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Gustine, Kenneth L. Propelling attachment for a boat. 3,377,-976, 4–16–68, Cl. 115—25.
Gut, Michel. D. Lamparsky, and P. Schudel, to Givaudan Corp. Process for the isomerization of α-pinene. 3,399,244, 8–27–68, Cl. 260—675.5.
Gutbier, Ernst A., and W. C. Schmidt; said Gutbier assor., to Western Electric Co., Inc., and said Schmidt, assor., to Bell Telephone Laboratories, Inc. Circuit board and method of connecting connectors thereto. 3,361,869, 1–2–68, Cl. 174—68.5.
Gutcho, Sidney, to Schwarz Bio Research, Inc. Process for isolating and purifying soluble ribonucleic acid. 3,389,133, 6–18–68, Cl. 260—211.5.
Guterman, Donald C., G. J. Lorant, and D. J. Levan, to General Foods Corp. Frozen confection and method of preparation. 3,365,304, 1–23–68, Cl. 99—136.
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Guthrie, David G., to Saunders Roe & Nuclear Enterprises Ltd. Coating of the surfaces of light transparent materials associated with light sources. 3,416,940, 12–17–68, Cl. 117—8.5.
Guthrie, Eldred R. Electrical switch for model railroad track switch. 3,361,906, 1–2–68, Cl. 246—220.
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Davis, Thomas A., and Gutierrez. 3,382,553.
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Gutmann, William R., and R. A. Mascarich, to Catalysts and Chemicals, Inc. Hydrocarbon reforming. 3,377,138, 4–9–68, Cl. 23—213.
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Gutnikov, Eduard J., O. N. Melnikov, G. B. Matjunin, and I. I. Alterman. Hydraulic press plunger travel speed governing device. 3,416,433, 12–17–68, Cl. 100—48.
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Gutshall, Charles E., to Illinois Tool Works, Inc. Undulated lockwasher with locking abutments at the valley side of each peak. 3,390,713, 7–2–68, Cl. 151—35.
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Gutting, Robert D., to The Home-O-Nize Co. Remote control apparatus. 3,373,624, 3–19–68, Cl. 74—388.

Guttman, Arnold L., to Sinclair Research, Inc. Coating of improved "slip" characteristics composition. 3,371,057, 2–27–68 Cl. 260—28.5.

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Guttmann, Erich S. Integrated navigational situation display with high efficiency light beam combiner. 3,368,448, 2–13–68, Cl. 88—24.

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Gutzeit, Gregoire, to General American Transportation Corp. Heating systems and railway tank cars incorporating such heating systems. 3,372,693, 3–12–68, Cl. 126—343.5.

Gutzman, Douglas F., and R. J. Straub to United States Gypsum Co. Gypsum board-forming methods and machines. 3,373,065, 3–12–68, Cl. 156—40.

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Guy, Kenneth T., to Rotax Ltd. Over pressure cutoff. 3,399,690, 9–3–68, Cl. 137—220.

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Guyonvarh, Michel, R. Le Meur, and A. Roguin, to Commissariat a l'Energie Atomique. Burst can detection system for nuclear reactor. 3,413,469, 11–26–68, Cl. 250—83.1.

Guyot, Lucien F., B. M. Driard, and F. Sirou, to Compagnie Francaise Thomson Houston-Hotchkiss Brandt. Image converter tubes with improved dust screen and diaphragm means. 3,378,714, 4–16–68, Cl. 313—65.

Guyot, Lucien F., and G. F. Peres, to Compagnie Francaise Thomson Houston-Hotchkiss Brandt. Biaxial electrostatic deflector. 3,397,341, 8–13–68, Cl. 315—17.

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Gwinn, Robert P., to Sunbeam Corp. Glide agent dispenser for electric dry shaver. 3,360,855, 1–2–68, Cl. 30—41.

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Gwyn, Childress B., Jr., to Talon, Inc. Method of forming composite electrical contacts. 3,397,453, 8–20–68, Cl. 29—630.

Gwyn, Childress B., Jr., to Talon, Inc. Method and apparatus for forming composite electrical contacts. 3,397,454, 8–20–68, Cl. 29—630.

Gwynn, Bernard H., and E. R. Tucci, to Gulf Research & Development Co. Process for decobalting hydroformylation reaction mixtures. 3,361,829, 1–2–68, Cl. 260—604.

Gwynn, Robert D. Method of making a finished garment. 3,366,974, 2–6–68, Cl. 2—243.

Gy Pierre M., to Minerals et Metaux. Process for reducing error in the sampling of materials. 3,392,587, 7–16–68, Cl. 73—421.

Gyarmathy, Georg. Method and arrangement for utilizing steam power in steam power plants. 3,375,665, 4–2–68, Cl. 60—105.

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Haas, Eduard. Dispenser for tablets. 3,370,746, 2–27–68, Cl. 221—24.

Haas, Eduard. Exhaust gas treating device. 3,392,522, 7–16–68, Cl. 60—30.

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Hale, Edith A. Draw sheet stretcher. 3,364,506, 1–23–68, Cl. 5—81.

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Hale, Warren F., and N. H. Reinking, to Union Carbide Corp. Thermoplastic copolymers derived from diglycidyl ether of 1,4-cyclohexanedimethanol. 3,395,128, 7–30–68, Cl. 260—77.5.

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Hamlin, Halley H., to United States of America, Navy. Sealing device for high temperature input nozzle. 3,411,795, 11–19–68. Cl. 277—74.

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Hanlein, Walter, W. Rieger, and M. Maier, to Siemens Aktiengesellschaft. Method and heat exchanger for preheating the combustion air of magnetohydrodynamic generators. 3,374,371, 3–19–68, Cl. 310—11.
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Hanna, Delbert L., to Velsicol Chemical Corp. Separation of chlorinated phenol isomers. 3,412,145, 11–19–68, Cl. 260—512.
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Hannan, Peter W., to Haseltine Research, Inc. Monopulse antenna system providing independent control in a plurality of mode of operation. 3,392,395, 7–9–68, Cl. 343—755.

Hannan, William J., and D. Karlsons, to Radio Corp. of America. High current, short duration pulse generator. 3,371,232, 2–27–68, Cl. 307—312.

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Hannon, Warren W. and C. N.; said C. N. Hannon, assor., to said W. W. Hannon. Double-acting finger mechanism for primary folding station of newspaper folding and wrapping machine. 3,417,987, 12–24–68, Cl. 270—61.

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Hanson, Raymond A. Canal trimmer. 3,377,726, 4–16–68, Cl. 37—82.

Hanson, Raymond A. Joint forming apparatus for concrete surfaces. 3,381,595, 5–7–68, Cl. 94—45.

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Haring, Donald R., to Massachusetts Institute of Technology. Electron beam position sensor. 3,413,515. 11–26–68, Cl. 315—18.
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Harkenrider, Robert J., and J. L. Moe, to Waynco, Inc. Electronic proportioning circuit including a light control means in the amplifier circuit. 3,383,617, 5–14–68, Cl. 330—59.
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Harman, Willard J. Corneal contact lens with offset concave surface portions. 3,415,597, 12–10–68, Cl. 351—160.
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Harms, John D., to American Air Filter Co., Inc. Plate electrode assembly for electrostatic precipitator. 3,372,529, 3–12–68, Cl. 55—118.
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Harnden, Michael R., to Abbott Laboratories. 9,10-alkoxy-3-alkyl-2,2-(dithiosubstituted) benzoquinolizines. 3,390,152, 6–25–68, Cl. 260—286.
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Harnish, James R., to Westinghouse Electric Corp. Refrigeration systems in centrifugal compressors and air cooled condensers. 3,362,185, 1–9–68, Cl. 62—201.
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Harnish, James R., to Westinghouse Electric Corp. Refrigeration systems employing subcooling control means. 3,388,558, 6–18–68, Cl. 62—196.
Harnish, James R., to Westinghouse Electric Corp. Refrigeration systems. 3,397,552, 8–20–68, Cl. 62—202.
Harnsberger, Bobby G., to Texaco Inc. Method and composition for consolidating incompetent oil-containing formations. 3,389,751, 6–25–68, Cl. 166—12.
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Harp, James L., Jr., to The Marquardt Corp. Supersonic wind tunnel and method of operation. 3,407,653, 10–29–68, Cl. 73—147.
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Harper, Billy G., R. N. Bashaw, and B. L. Self, to The Dow Chemical Co. Method and composition for extinguishing and preventing fires in flammable liquids. 3,407,138, 10–22–68, Cl. 252—2.
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Harper, Harold R., and L. A. Mather, to Imperial Chemical Industries Ltd. Polyamides containing a pigment and a basic product obtained from a condensate of naphthalene sulphonic acid and formaldehyde. 3,404,119, 10–1–68, Cl. 260—37.

Harper, Jack R., to Dow Corning Corp. Primer compositions and a method of making them. 3,377,309, 4–9–68, Cl. 260—32.8.

Harper, James E. Surface modification apparatus. 3,405,481, 10–15–68, Cl. 51—9.

Harper, Jay A., to Acme Machine Works, Inc. Flow indicator utilizing permanent magnets for switch actuation. 3,368,-045, 2–6–68, Cl. 200—81.9.

Harper, Jay A., to Acme Machine Works, Inc. Cam operated actuating mechanism. 3,370,474, 2–27–68, Cl. 74—89.

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Harper, Kenneth A., to Phillips Petroleum Co. Catalytic cracking reactor and method of preventing the formation of coke on the conduits. 3,376,213, 4–2–68, Cl. 208—48.

Harper, Kenneth A., to Phillips Petroleum Co. Process for recovering hydrocarbon gases from streams thereof containing H_2S. 3,390,075, 6–25–68, Cl. 208—341.

Harper, Laffie. Machine for forming double vanes. 3,372,456, 3–12–68, Cl. 29—208.

Harper, Laffie. Duct device. 3,405,737, 10–15–68, Cl. 138—39.

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Harper, Robert, and H.-J. Krahn, to Raytheon Co. Gridded ion-drain electrode structure for traveling wave devices. 3,383,543, 5–14–68, Cl. 315—3.5.

Harper, Robert, and R. M. Unger, to Raytheon Co. Backward wave oscillator including modulation electrodes. 3,383,626, 5–14–68, Cl. 332—7.

Harper, Robert L. Fertilizer attachment for rotary lawn mowers. 3,375,644, 4–2–68, Cl. 56—25.4.

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Harper, Sydney, R. McK. Anderson, and J. L. Richard, to National Research Development Corp. Copper/iron/aluminum alloys. 3,384,517, 5–21–68, Cl. 148—32.

Harper, Thomas P. Dental irrigator. 3,386,439, 6–4–68, Cl. 128—229.

Harper, Walter R., Jr., to Texas Instruments Inc. Snap acting thermally responsive element with contacts at the periphery thereof in rocking and sliding engagement with corresponding fixed contacts during snap action. 3,369,093, 2–13–68, Cl. 200—122.

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Harpman, Webster B., to Kingsley A. Doutt. Self-cleaning poppet spool valve. 3,384,122, 5–21–68, Cl. 137—625.64.

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Harrah, John L. Pistons for internal combustion engines. 3,369,465, 2–20–68, Cl. 92—218.

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Harrell, Bob R., deceased (by S. S. Harrell, legal representative), R. D. Goodenough, and R. L. Gregory; said Goodenough, and said Gregory, assors. to The Dow Chemical Co. Preparation of sodium metasilicate pentahydrate. 3,387,-926, 6–11–68, Cl. 23—110.

Harrell, John W. Tip resistant animal feeder. 3,405,685, 10–15–68, Cl. 119—61.

Harrell, Joshua R. Auto snack tray. 3,379,316, 4–23–68, Cl. 211—73.

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Harrick, Nicolas J., to North American Philips Co., Inc. Vertical double-pass multiple reflection cell for internal reflection spectroscopy. 3,393,603, 7–23–68, Cl. 88—14.

Harrick, Nicolas J., to North American Philips Co., Inc. Internal reflection element for micro-sample analysis. 3,415,602, 12–10–68, Cl. 356—256.

Harrick, Nicolas J., and M. G. Dreyfus, to North American Philips Co., Inc. Infra-red gas analysis apparatus having a cylindrical sample chamber with a smooth reflecting inner surface. 3,394,253, 7–23–68, Cl. 250—43.5.

Harrigan, Thomas G., and W. E. Jewett, to Bell Telephone Laboratories, Inc. Stacked series regulator. 3,414,802, 12–3–68, Cl. 321—16.

Harriger, John W., E. L. Smouse, H. W. Fisher, and W. F. Z. Lee, to Rockwell Mfg. Co. Turbine meter. 3,363,464, 1–16–68, Cl. 73—230.

Harriger, Keith A., and J. G. Hurt, Jr., to United States of America, Navy. Pulse doppler radar system for selectively inhibiting target detection. 3,383,683, 5–14–68, Cl. 343—7.7.

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Harrington, John A., to Westinghouse Electric Corp. Fire-resistant paper-base epoxy resin laminates. 3,378,434, 4–16–68, Cl. 161—184.

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Harrington, Robert C., Jr., and J. L. Smith, to Eastman Kodak Co. Ultraviolet light stabilized halogenated synthetic resins containing zinc salts of phosphorus compounds. 3,396,144 8–6–68, Cl. 260—45.75.

Harrington, Robert W., W. C. Covey, and G. McArthur, Jr., to Sunray Stove Co. Oven door hinge. 3,373,733, 3–19–68, Cl. 126—191.

Harrington, Roger C., and G. R. Latham IV, to Sperry Rand Corp. Duochromatic indicator for a diversity polarization radar receiver. 3,403,397, 9–24–68, Cl. 343—7.9.

Harrington, Roger E., to Union Carbide Corp. Method for producing high brightness and lower electrode consumption rate in carbon arcs. 3,3799,918, 4–23–68, Cl. 314—29.

Harrington, Roy E.: *See*—
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Harrington, Roy E., W. M. Roll, G. W. Sonnenburg, H. W. Co. Hay wafering machine. 3,363,587, 1–16–68, Cl. 107—14.

Harrington, Roy E., W. M. Roll, G. W. Sonnenberg, H. W. Buntenbach, and M. W. Forth, to Deere & Co. Feed control means for forage crop wafering machine. 3,363,588, 1–16–68, Cl. 107—14.

Harrington, Thomas L., to Minnesota Mining and Mfg. Co. Marking. 3,410,185, 11–12–68, Cl. 94—22.

Harris, Albert E., and J. Gough, to Ilford Ltd. Antifogging combination of iso-ascorbic acid and 2 to 15 g. of hydroquinone. 3,383,215, 5–14–68, Cl. 96—109.

Harris, Albert E., and E. C. Dodd, to Ilford Ltd. Process for preventing image destruction in thiocyanate-stabilized photographic prints. 3,404,981, 10–8–68, Cl. 96—50.

Harris, Albert J. Spreading fishhook. 3,376,662, 4–9–68, Cl. 43—36.

Harris, Alexander T.: *See*—
Cluff, Edward F., Harris, and King. 3,380,952.

Harris, Alexander T., to E. I. du Pont de Nemours and Co. Electric arc furnace for the preparation of acetylene by pyrolysis of hydrocarbons. 3,375,316, 3–26–68, Cl. 13—9.

Harris, Allan E., to Harris-Hub Co., Inc. Corner bracket for bed rails. 3,408,665, 11–5–68, Cl. 5—304.

Harris, Allan E., to Harris-Hub Co., Inc. Bed rail. 3,408,666. 11–5–68, Cl. 5—305.

Harris, Alva F., to Monsanto Co. Mass polymerization process in the presence of an alkylated phenoxy poly(alkyleneoxy) alkanol. 3,381,059, 4–30–68, Cl. 260—880.

Harris, Alva F., to Monsanto Co. Mass polymerization process in the presence of alkoxylated monohydric alcohols. 3,385,-911, 5–28–68, Cl. 260—880.

Harris, Alva F., to Monsanto Co. Mass polymerization process in the presence of polyalkylene glycols. 3,385,912, 5–28–68, Cl. 260—880.

Harris, Alva F., to Monsanto Co. Mass polymerization process in the presence of polyhydric alcohol monoesters. 3,407,246, 10–22–68, Cl. 260—880.

Harris, Ben A., to Friden, Inc. Controlled coded data communication system. 3,395,245, 7–30–68, Cl. 178—2.

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Peacock, John, and Harris. 3,385,665.
Harris, Bernard, and P. A. Jones, to British Titan Products Co. Ltd. Vapor phase reactor-collector. 3,404,964, 10–8–68, Cl. 23—284.
Harris, Brian W., to The Distillers Co. Ltd. Oxidation of ethylene or propylene with a group VIII noble metal compound, oxygen and an amine carboxylate. 3,417,133, 12–17–68, Cl. 260—497.
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Edman, Clarence E., Kelly, Murphy, and Skolds. 3,417,981.
Harris, Cecil, and R. H. Johnston, to Simplex Wire and Cable Co. Cable termination. 3,369,072, 2–13–68, Cl. 174—75.
Harris, Claud H. Sani-seal box closure clip. 3,381,883, 5–7–68, Cl. 229—47.
Harris, Daniel J., to Pratt & Whitney Inc. Gaging device including a probe having a plurality of concentric and coextensive electrodes. 3,400,331, 9–3–68, Cl. 324—61.
Harris, Darrel M., to Monsanto Co. Electric resistance heaters. 3,383,497, 5–14–68, Cl. 219—553.
Harris, Darrel M., to Monsanto Co. Resistance heating elements and method of conditioning the heating surfaces thereof. 3,406,044, 10–15–68, Cl. 117—215.
Harris, Darrel M., and H. H. Buchter, to Monsanto Co. Electric resistance heaters. 3,391,270, 7–2–68, Cl. 219—385.
Harris, Darrel W., to United States of America, Navy. Explosive driven guillotine. 3,411,401, 11–19–68, Cl. 89—1.
Harris, David A., to Imperial Chemical Industries Ltd. Oscillating spray devices and process of using same. 3,361,352, 1–2–68, Cl. 239—4.
Harris, David A., to Imperial Chemical Industries Ltd. Process of jiggling liquid into discrete droplets. 3,390,835, 7–2–68, Cl. 239—4.
Harris, Derek J., to Saunders Valve Co. Ltd. Fluid controlling valves. 3,412,974, 11–26–68, Cl. 251—331.
Harris, Donald A., and J. E. Olson, to Hyster Co. Suction load-handling apparatus. 3,376,061, 4–2–68, Cl. 294—64.
Harris, Donald L., to Le Febyre Corp. Deal drawer. 3,390,833, 7–2–68, Cl. 232—43.3.
Harris, Donald S.: *See*—
Good, Charles R., Harris, Lindahl, and Merrill. 3,380,506.
Good, Charles R., Harris, Lindahl, and Merrill. 3,381,738.
Harris, Donald S., to New Castle Products, Inc. Latch unit for longitudinally movable closures. 3,380,647, 4–30–68, Cl. 292—64.
Harris, Donald S., to New Castle Products, Inc. Folding door. 3,405,756, 10–15–68, Cl. 160—229.
Harris, Donald S., to New Castle Products, Inc. Folding partitions and operators therefor. 3,414,040, 12–3–68, Cl. 160—188.
Harris, Dwight E., to The Rotron Mfg. Co. Corrugated bearing ring. 3,372,963, 3–12–68, Cl. 308—236.
Harris, Dwight E., to Rotron Mfg. Co., Inc. Fan mounting. 3,378,193, 4–16–68, Cl. 230—273.
Harris, Elbert E.: *See*—
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Harris, Elbert E., D. W. Rosenburg, and E. M. Chamberlin, to Merck & Co., Inc. Process for producing pyridoxine and novel intermediates thereof. 3,381,014, 4–30–68, Cl. 260—294.9.
Harris, Elbert E., and P. I. Pollak, to Merck & Co., Inc. Intermediates and process for preparing vitamin B_6. 3,410,856, 11–12–68, Cl. 260—270.
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Harris, Franklin H., to United States of America. Electron beam scanning system for quality control of materials. 3,373,353, 3–12–68, Cl. 324—54.
Harris, Frederick J., to Olin Mathieson Chemical Corp. Rivet tool. 3,406,557, 10–22–68, Cl. 72—391.
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Harris, Harold D., to Harris and Thrush Mfg. Co. Drier. 3,417,487, 12–24–68, Cl. 34—233.
Harris, Harry A., to Ideal Cement Co. Method and means for controlling flow in a vertical shaft kiln. 3,393,905, 7–23–68, Cl. 263—29.
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Harris, Allan E. 3,408,666.
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Harris, Jack. Torpedo retrieving snare. 3,402,959, 9–24–68, Cl. 294—19.
Harris, Jack R. Massage device with hollow applicator for holding heating or cooling media. 3,382,866, 5–14–68, Cl. 128—24.3.
Harris, James E., to Eastman Kodak Co. Quality monitoring system for continuously moving filamentary structures. 3,386,145, 6–4–68, Cl. 28—64.
Harris, James E., to Eastman Kodak Co. Treatment of fibers. 3,418,969, 12–31–68, Cl. 118—325.
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Harris, John D., to J. I. Case Co. Test unit for checking electric circuitry of a pumping machine. 3,417,326, 12–17–68, Cl. 324—51.
Harris, John P. Method of making moccasins. 3,383,724, 5–21–68, Cl. 12—142.
Harris, John R., Jr., to Hunt Electronics Co. Power control circuit utilizing low resistance control. 3,384,763, 5–21–68, Cl. 307—88.5.
Harris, John V., to The New Britain Machine Co. Ratchet-wrench construction. 3,383,962, 5–21–68, Cl. 81—177.9.
Harris, Joseph M., and F. A. Loughridge, to Sylvania Electric Products, Inc. Electric discharge device having polycrystalline alumina end caps. 3,363,133, 1–9–68, Cl. 313—217.
Harris, Lawrence C. Head rest for stryker frame. 3,388,407, 6–18–68, Cl. 5—327.
Harris, Lawson P., to General Electric Co. Change of state current limiter devices with stacked segment construction. 3,389,359, 6–18–68, Cl. 337—114.
Harris, Leighton R., and A. E. Davey, to Bristol Aeroplane Plastics Ltd. Lightweight structure having a honeycomb interior. 3,391,511, 7–9–68, Cl. 52—430.
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Harris, Lewis P., and E. F. Rothemich, to The Sherwin-Williams Co. Process for making sodium arsenate. 3,404,948, 10–8–68, Cl. 23—53.
Harris, Lewis P., and E. F. Rothemich, to The Sherwin-Williams Co. Process for recovery of arsanilic acid. 3,414,601, 12–3–68. Cl. 260—442.
Harris, Martin H., J. W. Jennings, and F. M. Smith, to Gulf Research & Development Co. Method of plugging perforations in casings. 3,399,726, 9–3–68, Cl. 166—42.
Harris, Melvin, to Eastman Kodak Co. Polycarboxythianthrene tetroxades. 3,410,868, 11–12–68, Cl. 260—327.
Harris, Neville W., to English Electric Valve Co. Ltd. Travelling wave tubes and wave transmission lines suitable for use therein. 3,375,475, 3–26–68, Cl. 333—31.
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Harris, Norris R., to Mobile Oil Corp. Stacking of seismic traces having common offset distances. 3,381,266, 4–30–68, Cl. 340—15.5.
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Harris, Rano J., to Esso Research and Engineering Co. Three in one high temperature valve. 3,376,896, 4–9–68, Cl. 137—637.2.
Harris, Rano J., to Precision Sampling Corp. Multiport valves. 3,385,113, 5–28–68, Cl. 73—422.

Harris, Rano J., Jr., to Micro-Tek Instruments Corp. Syringe provided with a lateral vent and having high compression seals within the syringe bore. 3,401,692, 9–17–68, Cl. 128—218.

Harris, Ransom S., and G. R. Machlan, to Owens-Corning Fiberglas Corp. Glass composition. 3,402,055, 9–17–68. Cl. 106—50.

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Harris, Raymond C., and G. C. Newland, to Eastman Kodak Co. Light stabilized, poly-α-olefin plastic composition. 3,391,104, 7–2–68, Cl. 260—41.

Harris, Raymond M.: *See*—
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Harris, Richard A., to Western Electric Co., Inc. Apparatus for rotating a take-up reel. 3,368,768, 2–13–68. Cl. 242—55.

Harris, Richard A., and H V. Stanfield, to Western Electric Co., Inc. Apparatus and methods for advancing and positioning sheet material. 3,410,466, 11–12–68, Cl. 226—6.

Harris, Robert. Heat sealing device. 3,397,633, 8–20–68, Cl. 100—93.

Harris, Robert E., and H. E. Johnson. Liquid dispensing apparatus. 3,404,809, 10–8–68, Cl. 222—17.

Harris, Robert P., J. L. Krasner, and M. Koenig, to Conductron Corp. Variable time constant learning means. 3,414,-735, 12–3–68. Cl. 307—201.

Harris, Robert V., and H. G. Biagini, to Branson Instruments, Inc. Ultrasonic testing apparatus. 3,379,902, 4–23–68, Cl. 310—8.5.

Harris, Ronald J., to Deckvale, Ltd. Adjustable supports. 3,369,789, 2–20–68, Cl. 248—245.

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Harris, Roy J., and R. J. German, to The Dunlop Co., Ltd. Method of bonding an ethylene-alpha olefine copolymer to metal. 3,391,822, 7–9–68, Cl. 220—64.

Harris, Samuel J., and E. J. Caron, to TRW Inc. Tuneable inductor having a fixed arcuate conductor turn in series with an inductively coupled variable arcuate conductor turn. 3,378,795, 4–16–68, Cl. 334—65.

Harris, Seth O., and C. A. Ball, to American Cyanamid Co. Antistatic fiber blend. 3,399,079, 8–27–68, Cl. 117—138.8.

Harris, Stanton A., and C. O. Gitterman, to Merck & Co., Inc. Method of inhibiting bacteria with tetramic acid and derivatives thereof. 3,361,626, 1–2–68. Cl. 167—33.

Harris, Stephen E., and C. F. Buhrer, to Research Corp. Birefringent apparatus for demodulating phase modulated light. 3,404,353, 10–1–68, Cl. 332—1.

Harris, Tedric A., and S. F. Aaronson, to SKF Industries, Inc. Anti-skid bearing. 3,410,618, 11–12–68, Cl. 308—212.

Harris, Thomas A., to General Motors Corp. Peak reading voltmeter. 3,379,983, 4–23–68, Cl. 328—151.

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Harris, Thomas E., to Dominion Engineering Works Ltd. Structure for large diameter grinding mill. 3,395,869, 8–6–68. Cl. 241—176.

Harris, Thomas J., to International Business Machines Corp. Optical distribution network. 3,402,297, 9–17–68, Cl. 250—199.

Harris, Thomas J., W. W. Kulcke, and E. Max, to International Business Machines Corp. Digital light deflector having equal path lengths for all possible paths. 3,391,972, 7–9–68, Cl. 350—150.

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Harris Trust and Savings Bank, The: *See*—
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Harris, Walter. Tobacco smoke filter. 3,388,707, 6–18–68, Cl. 131—261.

Harris, William B., to Bell Telephone Laboratories Inc. Variable width pulse generator. 3,396,293, 8–6–68, Cl. 307—268.

Harris, William B., to Bell Telephone Laboratories, Inc. Repetitively operating thyristor switch circuit with rapid turn-off action. 3,413,569, 11–26–68, Cl. 331—111.

Harris, William B., R. P. Massey, and F. J. Zgebura, to Bell Telephone Laboratories, Inc. Thyristor switch utilizing series diodes to improve dynamic breakdown capability and reduce time to restore forward blocking. 3,404,293, 10–1–68, Cl. 307—252.

Harris, William B., Jr., and E. B. Champion. Hood for spray can. 3,383,728, 5–21–68, Cl. 15—246.

Harris, William H., Jr., to Dexco Corp. Method of making gears and the like. 3,368,263, 2–13–68, Cl. 29—159.2.

Harris, William H., Jr., to Dexco Corp. Method of making a tool for removing material from workpieces and product thereof. 3,378,361, 4–16–68, Cl. 51—293.

Harris, William H., Jr., to Dexco Corp. Abrading wheel structure. 3,406,489, 10–22–68, Cl. 51—356.

Harrison, Arthur E. Non-contaminating incinerator for consummate burning of trash and disposal of waste. 3,368,-505, 2–13–68, Cl. 110—18.

Harrison, Billy J. Doodlebug fishing game. 3,409,302, 11–5–68, Cl. 273—139.

Harrison, Billy J. Magnetic ball and chain game. 3,410,554, 11–12–68, Cl. 273—1.

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Andersen, Harold W., and Harrison. 3,381,687.

Harrison, Derrick N.: *See*—
Hutcheon, Ian C., and Harrison. 3,385,107.

Harrison, Don E., and R. B. Gosser, to Westinghouse Electric Corp. Viscosity measuring apparatus. 3,368,391, 2–13–68, Cl. 73—57.

Harrison, Eugene: *See*—
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Harrison, Frank H., and O. Gonneville, to The Smith-Gates Corp. Winding device for heat curing coiled cords. 3,416,-743. 12–17–68. Cl. 242—50.

Harrison, Gerald L., to E. I. du Pont de Nemours and Co. Use of silicones to improve die-clicking of bonded nonwoven polyester fibrous sheets. 3,400,013, 9–3–68, Cl. 117—138.8.

Harrison, Herbert G., to English Numbering Machines Ltd. Pawl mechanisms. 3,379,075, 4–23–68, Cl. 74—527.

Harrison, Herbert G., to English Numbering Machines Ltd. Printing machine. 3,379,129, 4–23–68, Cl. 101—316.

Harrison, Homer S., to Mechanical Handling Systems, Inc. Drive for conveyor chain. 3,387,697, 6–11–68, Cl. 198—203.

Harrison, Homer S., to Mechanical Handling Systems, Inc. Overload release for a conveyor drive and the like. 3,418,-947. 12–31–68, Cl. 104—172.

Harrison, Hugh T., to The Dow Chemical Co. Triazine salt. 3,405,131, 10–8–68, Cl. 260—242.

Harrison, Hugh T., to The Dow Chemical Co. Aqueous cementing composition adaptable to high turbulent flow and method of cementing a well using same. 3,409,080, 11–5–68, Cl. 166—31.

Harrison, Hugh T., to The Dow Chemical Co. Substituted phenetidine salt of hexafluoroarsenic and hexafluorophosphoric acids. 3,419,591, 12–31–68, Cl. 260—440.

Harrison, Ian T.: *See*—
Cross Alexander D., and Harrison. 3,386,994.

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Harrison, James M., to Crown Machine & Tool Co. Method and apparatus for foam molding. 3,417,173, 12–17–68, Cl. 264—53.

Harrison, James M., and D. R. Gaul, to Crown Machine & Tool Co. Method and apparatus for automatically molding foam plastic articles. 3,417,169, 12–17–68, Cl. 264—51.

Harrison, James W.: *See*—
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Steinbrecher, Lester, Buczkowski, and Harrison. 3,401,-065.

Harrison, James W., to The Dow Chemical Co. Blending apparatus. 3,388,894, 6–18–68, Cl. 259—4.

Harrison, James W., and R. N. Foxgord. Ultraviolet sterilization apparatus for drinking water having automatic shut-off means. 3,413,465, 11–26–68, Cl. 250—43.5.

Harrison, John, to The Spra-Con Co. Machine for the sortation of mail and other packages. 3,386,563, 6–4–68, Cl. 198—155.

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Harrison, John E., F. A. Koontz, and T. B. Michaels, to General Dynamics Corp. Communication system including frequency synthesizer system. 3,372,339, 3–5–68, Cl. 325—421.

Harrison, John O. Safety device. 3,411,234, 11–19–68, Cl. 43—97.

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Strout, Russell B., and Harrison. 3,396,752.

Harrison, John W., to W. R. Grace & Co. Packaging methods and packages produced thereby. 3,369,655, 2–20–68, Cl. 206—56.

Harrison, John W., W. A. Holmes, and P. Dantowitz, to General Electric Co. Heat transfer arrangement within a fuel cell structure. 3,392,058, 7–9–68, Cl. 136—86.

Harrison, John W., and R. D. Lowry, to W. R. Grace & Co. Special package. 3,397,773, 8–20–68, Cl. 206—45.33.

Harrison, Jonas P., to Chevron Research Co. Catalytic dehydrochlorination of chloroparaffins. 3,363,022, 1–9–68, Cl. 260—677.

Harrison, Lawrence L., to Diebold, Inc. High speed sorting conveyor structure. 3,361,256, 1–2–68, Cl. 209—74.

Harrison, Lee, III, to Control Image Corp. Automatic generation and display of animated figures. 3,364,382, 1–16–68, Cl. 315—18.

Harrison, Marvin E.: *See*—
Hickman, Harold G., Jones, Bomar, and Harrison. 3,402,-692.

Harrison, McGregor and Guest Ltd.: *See*—
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Harrison, Mortimer J., to Valve Corporation of America. Stick-type applicator construction. 3,397,027, 8–13–68, Cl. 401—50.

Harrison, Paul H.: *See*—
Nadler, Joseph L., and Harrison. 3,385,450.

Harrison, Peter F., to Peco Machinery Ltd. Double acting press mechanism for injection moulding machines. 3,418,-693, 12–31–68, Cl. 18—30.

Harrison, Richard I., and J. Zucker, to General Telephone and Electronics Lab., Inc. Microwave power detector utilizing diffusion of hot carriers in a semiconductor. 3,374,433, 3–19–68, Cl. 324—106.

Harrison, Robert H., to Houston Coca Cola Bottling Co. Apparatus for making a carbonated beverage. 3,393,631, 7–23–68, Cl. 99—275.

Harrison, Robert N., and K. L. Richardson, to The Solartron Electronic Group Ltd. P.P.I. radar apparatus. 3,419,862, 12–31–68, Cl. 343—7.7.

Harrison, Robert R.: *See*—
Hartman, Herbert L., and Harrison. 3,402,454.

Harrison, Robert S.: *See*—
Baczkowski, Harry A., Harrison, and Weslock. 3,414,243.

Harrison, Robert S., to Ford Motor Co. Fuel metering system for an air valve carburetor. 3,392,965. 7–16–68. Cl. 261—39.

Harrison, Robert W., and E. J. Delgrosso, to United Aircraft Corp. Nonconsumable arc-melting and arc-welding electrodes. 3,378,671. 4–16–68, Cl. 219—145.

Harrison, Stanley, to Ion Physics Corp. Electrostatic quadrapole lens assembly with transverse intermediate termination elements of resistive material joining together the quadrapole, electrodes for preventing beam aberration. 3,376,449. 4–2–68. Cl. 313—83.

Harrison, Stanley R., J. V. Bennett, R. M. Broughton, and C. S. Thawley, to The Dunlop Co. Ltd. Fabricless pneumatic tires. 3,386,485, 6–4–68, Cl. 152—330.

Harrison, Stuart A., to General Mills, Inc. Certain modified polyesteramides and the use thereof as adhesives. 3,380,840, 4–30–68, Cl. 106—243.

Harrison, Stuart A., to General Mills, Inc. Diepoxide ethers of azophenolic compounds and resins therefrom. 3,383,360, 5–14–68. Cl. 260—47.

Harrison, Terence T.: *See*—
Allenden, Dennis, and Harrison. 3,397,358.

Harrison, Walter T.: *See*—
Boyer, John D., and Harrison. 3,408,489.

Harrison, William, to Rolls-Royce Ltd. Bladed rotors. 3,393,862, 7–23–68, Cl. 230—134.

Harrison, William A.: *See*—
Kulka, Marshall, Thiara, and Harrison. 3,393,202.
Kulka, Marshall, Thiara, and Harrison. 3,399,214.
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Harrison, William B.: *See*—
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Harrison, William B., and R. E. Price, to W. R. Grace & Co. Air deflector for drying ovens. 3,363,327, 1–16–68, Cl. 34—105.

Harrison, William H., to United States of America, Navy. Chopper stabilized direct current amplifier with precision plus and minus output. 3,416,090, 12–10–68, Cl. 330—10.

Harrod, Jimmie A.: *See*—
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Harrod, John F., to General Electric Co. Room temperature vulcanizing compositions. 3,410,820, 11–12–68, Cl. 260—37.

Harrold, Andrew V., to American Home Products Corp. Cartridge-syringe with movable finger grips. 3,384,082, 5–21–68, Cl. 128—218.

Harrold, Arthur E., to The General Electric Co., Ltd. Digital data store for pulse code telephone signalling. 3,414,682, 12–3–68 Cl. 179—90.

Harrop Precision Furnace Co. a division of Harrop Ceramic Service Co.: *See*—
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Harrower, Harold W.: *See*—
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Harruff, Ray W., to United Shoe Machinery Corp. Driving and stopping mechanisms. 3,367,296, 2–6–68, Cl. 112—219.

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Aronson, David. 3,414,274.
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Harry, Henry A. Multipart sealing element for corrugated panel assemblies. 3,385,018, 5–28–68, Cl. 52—403.

Harry, Nicholas G. Convertible sports equipment. 3,399,889, 9–3–68, Cl. 273—1.5.

Harry, William R., L. Ewing, and R. J. Smiltneek, ½ each to Ashland Oil & Refining Co., and Armco Steel Corp. Underground conduit. 3,379,221, 4–23–68, Cl. 138—148.

Harsacky, Frank J.: *See*—
Dolle, Roland E., Jr., Harsacky, and Tamborski. 3,393,151.

Harsco Corp.: *See*—
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Davidson, Frederic A., Jr., and Schalge. 3,395,501.
Davidson, Frederic A., Jr., and Schalge. 3,396,498.
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Harshbarger, John R., to Visual Information Institute, Inc. Electronic sound detector. 3,385,930, 5–28–68, Cl. 179—1.

Harson, Samuel E., to Hardman & Holden Ltd. Zirconium compounds. 3,419,587, 12–31–68, Cl. 260—414.

Hart, Atlee S., to American Radiator & Standard Sanitary Corp. Current interruption detection means. 3,366,943, 1–30–68, Cl. 340—249.

Hart, Atlee S., to American Standard, Inc. Flame-responsive control circuit using radiation sensitive means. 3,389,261, 6–18–68, Cl. 250—206.

Hart, Atlee S., to American Standard Inc. Ring counter with neon bulbs and photoconductive cells. 3,389,262, 6–18–68, Cl. 250—209.

Hart, Atlee S. Automatic liquid drain mechanism. 3,419,034, 12–31–68, Cl. 137—172.

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Hart, Charles G., to Cambridge Filter Corp. Filter. 3,410,062, 11–12–68, Cl. 55—497.

Hart, Charles M. Spray dispenser. 3,388,834, 6–18–68, Cl. 222—70.

Hart, Cleve M., to Sylvania Electric Products, Inc. Convergence circuit. 3,382,400, 5–7–68, Cl. 315—13.

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Hart, Donald P., and J. E. Plasynski, to Pittsburgh Plate Glass Co. Electrodeposition process using partially esterified oil-acid adducts. 3,369,983, 2–20–68, Cl. 204—181.

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Hart, Harold W. 3,405,686.

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Addie, Albert N., and Hart. 3,368,613.

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Hart, Sterling L. Small boat restrainers. 3,373,714, 3–19–68, Cl. 114—230.

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Hart, Thomas G., to Phelps Dodge Corp. Apparatus and method of making apparatus for vacuum purification of metals. 3,402,921. 9–24–68 Cl. 266—34.

Hart, Walter C., to Phillips Petroleum Co. Alkylate purification by temperature controlled distillation. 3,386,891, 6–4–68, Cl. 203—1.

Hart, Walter C., to Phillips Petroleum Co. Method for removing water and hydrocarbons from gaseous HCl. 3,398,508, 8–27–68, Cl. 55—71.

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Hart, William B., A. J. Bing, and R. B. Stroude, to Hovercraft Development Ltd. Vehicles. 3,381,627, 5–7–68, Cl. 104—23.

Hart, William E., W. A. Allen, and L. L. Cunningham, to United States of America, Navy. Method of determining an observer's position by use of a satellite. 3,402,470, 9–24–68, Cl. 33—61.

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Härtel, Volker. Method for the continuous measurement of plasticity of rubber mixtures in a mixing mill. 3,397,571. 8-20-68, Cl. 73—54.

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Hartje, Robert A. Transportation system. 3,373,697, 3-19-68, Cl. 104—23.

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Hartke, Jerome L., to Xerox Corp. Selenium trapping memory. 3,407,394, 10-22-68, Cl. 340—173.

Hartl, Ernst E., A. A. Dudszus, R. H. Franz, C. F. W. Rethfeldt, G. H. R. Weinert, R. Muke, F. A. Hauptmann and G. Bolze, to Institut fur Schiffbau. Fish transporting and positioning apparatus. 3,364,514, 1-23-68, Cl. 17—2.

Härtl, Ernst E., A. A. Dudszus, R. H. Franz, C. F. W. Rethfeldt, G. H. R. Wienert, R. Müke, F. A. Hauptmann, and G. Bolze, to Institut Fur Schiffbau. Fish treating method. 3,380,114, 4-30-68, Cl. 17—45.

Hartl, Ernst E., A. A. Dudszus, R. H. Franz, C. F. W. Rethfeldt, G. H. R. Wienert, R. Muke, F. A. Hauptmann, and G. Bolze, to Institut fur Schiffbau. Fish treating process and apparatus. 3,399,422, 9-3-68, Cl. 17—3.

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Hartley, Charles E. Credit card wallet. 3,392,771. 7-16-68. Cl. 150—39

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Reigler, Guy L., and Hartley. 3,412,485.

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Ross, Edward E., Cunningham, and Hartman. 3,386,559.
Ross, Edward E., Cunningham, and Hartman. 3,386,560.

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Hartman, Robert J., and J. T. Patton, Jr., to Wyandotte Chemicals Corp. Phosphate polyols and method for their preparation. 3,393,254. 7-16-68. Cl. 260—953.

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Lagerstrom, Karl O. G., Wolke, and Hartmann. 3,362,331.

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Hartpence, Robert S. Map game. 3,362,715, 1–9–68, Cl. 273—134.

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Harvey, Leo M., H. and H. M., and Hill. 3,405,757.
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Hilton, Ralph W. 3,388,580.
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Harvey, Donald M., to Eastman Kodak Co. Multilamp flash photography signal means indicating the number of successive, good flash lamps. 3,380,357, 4–30–68, Cl. 95—11.5.

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Harvey, Leo M., H. Harvey, H. M. Harvey, and L. C. Hill, to Harvey Aluminum, Inc. Method and apparatus for continuous casting of metal between oppositely rotatable cooling rolls set generally one above the other. 3,405,757, 10–15–68, Cl. 164—87.

Harvey, Mahlon A., and L. E. Helwig, to United States Steel Corp. Masking composition for galvanized metal. 3,398,010, 8–20–68, Cl. 117—5.5.

Harvey, Norman L., to Sylvania Electric Products Inc. Visual display device. 3,366,836, 1–30–68, Cl. 315—169.

Harvey, Patrick O., to Honeywell Inc. Voltage doubler circuit including transistor whose semiconductor junctions replace second diode and which circuits provides pulse stretching. 3,365,585, 1–23–68, Cl. 307—230.

Harvey, Philip C., to National Research Corp. Thermocouple gauge control. 3,397,579, 8–20–68, Cl. 73—399.

Harvey, Richard, to William H. Harvey Co. Sealing gasket means. 3,400,411, 9–10–68, Cl. 4—252.

Harvey, Robert, and F. L. Lo Maglio, to Thermo Electron Engineering Corp. Steam engine with self-contained valvular mechanism. 3,361,036, 1–2–68, Cl. 91—224.

Harvey, Robert B., to Mobil Oil Corp. Combustion gas analyzer condenser. 3,368,386, 2–13–68, Cl. 73—27.

Harvey, Robert C., to Eastman Kodak Co. Light sensitive element for preparing etching resist for gravure purposes. 3,369,903, 2–20–68, Cl. 96—83.

Harvey, Robert J., to Thermo Electron Engineering Corp. Nuclear powered mechanical heart. 3,379,191, 4–23–68, Cl. 128—1.

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Harvey, Robert R., to Phillips Petroleum Co. Oil recovery process. 3,368,620, 2–13–68, Cl. 166—9.

Harvey, Robert R., and T. B. Reid, to Phillips Petroleum Co. Use of surfactants in oil recovery. 3,371,710, 3–5–68, Cl. 166—9.

Harvey, Robert R., and M. M. Vaclaw, to Phillips Petroleum Co. Aqueous fluid drive process. 3,407,877, 10–29–68, Cl. 166—9.

Harvey, Wildon T.: *See*—
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Harvey, William F., and T. W. Duncan, to Design and Mfg. Corp. Dispensing mechanism for a liquid and a powder. 3,411,671, 11–19–68, Cl. 222—70.

Harvey, William G., to General Electric Co. System for reading information from intermixed binary and decimal cards. 3,389,241, 6–18–68, Cl. 235—61.11.

Harvey, William H., Co.: *See*—
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Harvin, Richard L.: *See*—
Mayland, Bertrand J., Harvin, Trimarke, and Brandon. 3,391,089.

Harwell, Edward M., to Litton Business Systems, Inc. Tactile keyboard. 3,396,827. 8–13–68. Cl. 197—98.

Harwick, Burton T., to North American Rockwell Corp. Radiation measurement instrument having stabilization means. 3,393,313. 7–16–68. Cl. 250—43.5.

Harwick Stove Co.: *See*—
Barber, Roy H. 3,398,735.

Harwig, Lawrence. Baler feed mechanism. 3,367,094, 2–6–68, Cl. 56—364.

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Harwood, Frank S., and C. T. Prucha, to Dover Corp. Door toe guide. 3,395,422, 8–6–68, Cl. 16—93.

Harwood, Leopold A., to Radio Corp. of America. Integrated circuit biasing arrangements. 3,383,612, 5–14–68, Cl. 330—22.

Harwood, Leopold A., to Radio Corp. of America. Linear frequency modulation system including an oscillating transistor, an internal capacity of which is varied in accordance with a modulating signal. 3,403,354, 9–24–68, Cl. 332—19.

Harz, Fred C., and F. S. Timko, to Inflight Motion Pictures, Inc. Cooling apparatus for motion picture projector. 3,408,138, 10–29–68, Cl. 352—202.

Hasa, Jan, J. Arnost, and M. Pavlik, to Pruni Brnenska Strojirna, Zavody Klementa Gottwolda, Narodni Podnik. Bearing arrangement for a turbine-compressor unit. 3,394,875, 7–30–68, Cl. 230—116.

Hasbrouck, Gene B., to Corry Jamestown Corp. Reclining chair. 3,361,472, 1–2–68, Cl. 297—361.

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Hasbrouck, Leo J., C. R. Holleran, L. E. King, and W. P. Wissick, to International Business Machines Corp. Storage reference priority in a data processing system. 3,376,556, 4–2–68, Cl. 340—172.5.

Hasbrouck, Leo J., E. J. Ossolinski, and G. L. Smith, to International Business Machines Corp. Instruction selection apparatus. 3,417,380, 12–17–68, Cl. 340—172.5.

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Hasegawa, Akira: *See*—
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Hasegawa, Katsumi: *See*—
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Hasegawa, Kichisabro, E. and M. Matsuura, to Hasegawa Electronics Co., Ltd. Temperature varied semiconductor device. 3,369,207, 2–13–68, Cl. 338—23.

Hasegawa, Mitsuo, and H. Ikkai. Automatic welding machine. 3,382,344, 5–7–68, Cl. 219—126.

Hasegawa, Osamu, to Kyoritsu Machinery Works, Ltd. Apparatus for manufacturing various fancy twisted yarns. 3,407,589, 10–29–68, Cl. 57—91.

Hasegawa, Shigeji, to Yazaki Meter Co. Ltd. Flow meter for liquefied petroleum gas. 3,377,856, 4–16–68, Cl. 73—199.

Hasegawa, Toru: *See*—
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Hasell, Richard F., and R. M. Brady, to Westinghouse Electric Corp. Universal bulb holder. 3,385,592, 5–28–68, Cl. 269—287.

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Haselow, William J., and W. E. Aschenbrenner, to Consolidated Paper, Inc. Sheet inspecting and sorting apparatus. 3,417,989, 12–24–68, Cl. 271—64.

Haselton, Ernest F., Jr., to Sylvania Electric Products, Inc. Controlled latching semiconductor switch and switching network. 3,389,228, 6–18–68, Cl. 179—18.

Haselton, Thomas P., and R. A. Pustell, to General Electric Co. Insulated electrical conductor or thermocouple assembly with a membrane gas-tight seal. 3,416,972, 12–17–68, Cl. 136—230.

Haselwood, Donald E., to A. C. Nielsen Co. Data handling system. 3,405,393, 10–8–68, Cl. 340—172.5.

Haselwood, Donald E., to A. C. Nielsen Co. Data handling system. 3,408,629, 10–29–68, Cl. 340—172.5.

Haselwood, George W. Vise attachment. 3,377,062, 4–9–68, Cl. 269—265.

Haseman, Joseph F., to Armour Agricultural Chemical Co. Phosphate flotation. 3,361,257, 1–2–68, Cl. 209—166.

Haseman, Joseph F., to Armour Agricultural Co. Beneficiation of phosphate ore containing carbonates. 3,375,067, 3–26–68, Cl. 23—165.

Hasenauer, Charles R., and W. R. White, to Eastman Kodak Co. Matte-surfaced polyester sheeting. 3,370,951, 2–27–68, Cl. 96—87.

Hasenbalg, Ralph D. Self controlled tractor guidance system. 3,407,895, 10–29–68, Cl. 180—79.

Hasenbank, Kenneth N., to Toro Mfg. Corp. Bag clamp. 3,387,346, 6–11–68, Cl. 24—270.

Hasenbein, Alfred, to Aljo Enterprises, Inc. Lock. 3,408,840, 11–5–68, Cl. 70—363.

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Sliepcevich, Cedomir M., and Hashemi. 3,399,538.

Hashii, Kiyoshi, to Kabushiki Kaisha Daini Seikosha. Crowns comprising push-button inside of them. 3,418,800, 12–31–68, Cl. 58—63.

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Hashimoto, Hiroyasu: *See*—
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Hashimoto, Isamu, to Pioneer Kabushiki Kaisha. Sound recording-reproducing device of tape-magazine type. 3,408,017, 10–29–68, Cl. 242—55.13.

Hashimoto, Kazuo. Telephone answering device. 3,376,390, 4–2–68, Cl. 179—6.

Hashimoto, Ken, to Fuji Neon Kabushiki Kaisha. Flat screen television display apparatus. 3,379,831, 4–23–68, Cl. 178—7.3.

Hashimoto, Ken, to Fuji Neon Kabushiki Kaisha. Light flasher circuit. 3,414,767, 12–3–68, Cl. 315—200.

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Haskins, Gerald M., and R. L. Durham, to General Electric Co. Tool support arrangement. 3,397,749, 8–20–68, Cl. 173—163.

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Haslau, Horst E., to Radio Corp. of America. Coil winding apparatus. 3,392,760, 7–16–68, Cl. 140—92.2.

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Hasler, William S., and P. H. T. Dawson, to Singer-Cobble Ltd. Means for the application of treatment media to elongate materials. 3,391,551, 7–9–68, Cl. 68—20.

Hasler, William S., R. V. Evans, P. H. T. Dawson, and W. Parker, to Singer-Cobble Ltd. Apparatus for producing a textile fabric. 3,395,432, 8–6–68, Cl. 28—1.

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Hastewell, Claude H., and L. Hardcastle, to G. H. Norton & Co. Ltd. Variable height pile cutting means for double pile fabric looms and the method therefor. 3,406,725, 10–22–68, Cl. 139—21.
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Hatcher, Harry R., and W. Holtzman, to SCM Corp. Iron powder for forming sintered articles of improved strength. 3,418,105, 12–24–68, Cl. 75—.5.
Hatcher, Harry R., and C. R. Harr, to SCM Corp. Producing pulverulent iron for powder metallurgy by multistage reduction. 3,419,383, 12–31–68, Cl. 75—.5.
Hatcher, John C., to Cole Mfg. Co. Rolling coulter stabilizer mounting arrangement. 3,369,849, 2–20–68, Cl. 308—181.
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Hathaway, Merwin L., to United States of America, Army. Joy stick mechanism. 3,365,975, 1–30–68, Cl. 74—471.
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Hawk, Elwin A., Sr., to Coast Metals, Inc. Powder spray torch. 3,399,835, 9-3-68, Cl. 239—85.
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Hawk, Elwin A., Sr., to Coast Metals Inc. Powder spray torch with explosion-proof hopper construction. 3,415,449. 12-10-68, Cl. 239—85.
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Hawkins, Robert D. Flotation apparatus. 3,370,562, 2–27–68, Cl. 114—67.

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Hawkins, Robert D., to Sperry Rand Corp. Photosensitive frequency responsive apparatus utilizing freely vibrating elements. 3,400,274, 9–3–68, Cl. 250—230.

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Hawkins, Ronald J., to Babcock & Wilcox, Ltd. Integral nuclear reactor-heat exchanger system. 3,385,760, 5–28–68, Cl. 176—65.

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Hawkinson, Raymond P., to Paul E. Hawkinson Co. Clamping mechanism for a tire press. 3,413,685, 12–3–68, Cl. 18—18.

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Hawley, Wilbur J., and L. Merrick, to Air Preheater Co., Inc. Method of drawing formed material from a plurality of sources. 3,397,826, 8–20–68, Cl. 226—1.

Haworth, Lionel, to Bristol Siddeley Engines Ltd. Damping means. 3,413,872, 12–3–68, Cl. 74—574.

Hawthorn, Franklin A. Composite masking and trim tape. 3,396,838, 8–13–68, Cl. 206—59.

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Hay, Alden W., to Celanese Corp. Cellulose acetate spinning solutions and process of spinning dope-dyed yarns therefrom. 3,386,842, 6–4–68, Cl. 106—180.

Hay, Allan S., to General Electric Co. Isomerization of orthophenyl substituted phenols. 3,363,008, 1–9–68, Cl. 260—620.

Hay, Allan S., to General Electric Co. Substituted polyphenylene ethers. 3,378,505. 4–16–68, Cl. 260—2.1.

Hay, Allan S., to General Electric Co. Method for decolorization and capping polyphenylene ethers. 3,402,143, 9–17–68, Cl. 260—47.

Hay, Allan S., to General Electric Co. Alkali metal-containing polyphenylene ethers. 3,402,144, 9–17–68, Cl. 260—47.

Hay, Allan S., to General Electric Co. Preparation of biphenyls by catalytic transfer hydrogenolysis and novel products so produced. 3,415,896, 12–10–68, Cl. 260—668.

Hay, Elaine A. Alphabetical puzzle games. 3,365,198, 1–23–68, Cl. 273—157.

Hay, George L. Container holder. 3,365,228, 1–23–68, Cl. 294—31.2.

Hay, Julian A., to American Maize-Products Co. Method of producing starch phosphate products continuously. 3,399,200. 8–27–68, Cl. 260—233.5.

Hay, Robert B. Oil-free bearing assembly. 3,414,339, 12–3–68, Cl. 308—26.

Hay, Russell G., S. M. Hazen, and C. M. Selwitz, to Gulf Research & Development Co. Poly-alpha-olefin heat seal composition. 3,367,909, 2–6–68, Cl. 260—45.95.

Hay, Russell G., S. M. Hazen, and W. J. Heilman, to Gulf Research & Development Co. Thermosettable compositions containing polyanhydride and mono-oxirane compounds and process of making. 3,374,209, 3–19–68, Cl. 260—78.4.

Hay, William J., Jr., to PPG Industries, Inc. Packaging device for sheet material. 3,412,850, 11–26–68, Cl. 206—62.

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Hayakawa Kenki Kogyo Kabushiki Kaisha: *See*—
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Hayakawa, Masashi, and Y. Yasutake, to Central Glass Co., Ltd. Method of preparing sodium tripolyphosphate. 3,385,661, 5–28–68, Cl. 23—106.

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Hayakawa, Shigeru, to Matsushita Electric Industrial Co., Ltd. Capacitor comprising ferroelectric ceramic with oxidic silver electrodes and heterojunction barrier layer between electrodes and ceramic. 3,419,759, 12–31–68, Cl. 317—230.

Hayakawa, Shigeru, T. Iguchi, and Y. Kasahara, to Matsushita Electric Industrial Co., Ltd. Electrical heating device. 3,400,252, 9–3–68, Cl. 219—504.

Hayakawa, Shigeru, and K. Wasa, to Matsushita Electric Industrial Co., Ltd. Apparatus for producing quiescent plasma. 3,405,301, 10–8–68, Cl. 313—162.

Hayakawa, Shigeru, H. Ikushima, T. Nitta, K. Nagase, H. Taki, and Y. Lida, to Matsushita Electric Industrial Co., Ltd. Ceramac capacitor comprising semiconductive barium titanate body and silver alloy electrodes containing minor amount of Cu, Ca or Bi. 3,419,758, 12–31–68, Cl. 317—230.

Hayakawa, Yoshihide, and Y. Nakajima, to Fuji Photo Film Co., Ltd. High edge gradient silver halide emulsion. 3,375,114, 3–26–68, Cl. 96—107.

Hayasaka, Enakichi. Infinitely variable speed drive. 3,396,289. 8–6–68, Cl. 310—92.

Hayasaka, Toshio, K. Masuzawa, S. Senzaki, Y. Gomi, T. Ogawa, and K. Fujisawa, to Nippon Telegraph & Telephone Public Corp. Process of producing magnetic memory elements. 3,383,761, 5–21–68, Cl. 29—604.

Hayasaki, Hidehiko: *See*—
Nakanishi, Minoru, and Hayasaki. 3,389,861.

Hayashi, Akira, to Asahi Kasei Kogyo Kabushiki Kaisha. Yarn package. 3,399,761, 9–3–68, Cl. 206—65.

Hayashi, Chikara, to Nihon Shinku Gijitsu Kabushiki Kaisha (Japan Vacuum Engineering Co., Ltd.). 3,381,890, 5–7–68, Cl. 230—69.

Hayashi, Hisao, to Kabushiki Kaisha Kawaguchiya Hayashi Juho Kayaku Ten. Cartridge. 3,394,654, 7–30–68, Cl. 102—95.

Hayashi, Junichi, and S. Tsukuma. Winding machine for winding yarns or the like materials into cheese or cones. 3,399,840, 9–3–68, Cl. 242—35.5.

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Hayashi, Kunichi: *See*—
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Hayashi, Kyoji, and T. Kimura, to Shimano Kogyo Kabushiki. Speed change gear mechanism for a bicycle. 3,362,238, 1–9–68, Cl. 74—217.

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Hayashi, Tadashi. Variable ratio power transmission device. 3,407,687, 10–29–68, Cl. 74—796.

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Haycock, Gerald E., and R. A. Duffy. Removable protective shield for motorcycles. 3,369,836, 2–20–68, Cl. 296—78.1.

Hayden, Boyd. Adjustable connector for dobby cord. 3,390,706, 7–2–68, Cl. 139—88.

Hayden, Fred M., to Packard-Bell Electronics Corp. Switch-operated color television demagnetization system. 3,404,307, 10–1–68, Cl. 315—8.

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Hayden, John R., to General Motors Corp. Multi-tube annular heat exchanger. 3,384,166, 5–21–68, Cl. 165—164.

Hayden, Leonard O., to United States of America, Navy. Synchronous intervalometer. 3,386,364, 6–4–68, Cl. 95—53.
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Hayes, Charles M., to Universal Oil Products Co. N-polyaminopolyalkylene-phenylenediamines. 3,402,200, 9–17–68, Cl. 260—570.5.
Hayes, Daniel T., to American Can Co. Plastic container with integral carrying handle. 3,369,690, 2–20–68, Cl. 215—100.
Hayes, Edward J., to Kelsey-Hayes Co. Disc brake with unitary single bore caliper. 3,366,200, 1–30–68, Cl. 188—73.
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Hayes, John C., to Universal Oil Products Co. Catalyst and process for fluidized decomposition of hydrocarbons to produce hydrogen. 3,363,988, 1–16–68, Cl. 23—212.
Hayes, John C., to Universal Oil Products Co. Start-up procedure for fluidized production of hydrogen using a nickel-containing catalyst. 3,379,504, 4–23–68, Cl. 23—212.
Hayes, John C., to Universal Oil Products Co. Low pressure reforming with a platinum, halogen, alumina, sulfur and iron catalyst. 3,379,641, 4–23–68, Cl. 208—139.
Hayes, John C., to Universal Oil Products Co. Method for producing hydrogen and a catalyst therefor. 3,402,022, 9–17–68, Cl. 23—212.
Hayes, John C., to Universal Oil Products Co. Reforming with a platinum, halogen, alumina, sulfur and iron catalyst. 3,413,213, 11–26–68, Cl. 208—139.
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Hayes, Thomas. Extensible rotor airplane. 3,410,506, 11–12–68, Cl. 244—7.
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Hayes, William B., to El Paso Products Co. Polyamine production. 3,414,623, 12–3–68, Cl. 260—585.
Hayes, William F., B. Ashikian, and C. C. K. Kwok, to Aviation Electric Ltd. Vortex vent for fluid amplifiers. 3,403,691, 10–1–68, Cl. 137—81.5.
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Hayman, Elmer L., M. L. Marcoux, and R. E. McCutchan, to McDonnell Douglas Corp. Fatique test machine stroke arrestor. 3,382,708, 5–14–68, Cl. 73—91.
Hayner, Buddie J., to Flushing Research Corp. Vehicle anti-skid stabilizing device. 3,409,310, 11–5–68, Cl. 280—150.
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Hayner, Paul F., and G. L. Bernier, to Sanders Associates, Inc. Hydraulic servo valve having uniform response to input signals independent of magnitude and direction of load. 3,390,615, 7–2–68, Cl. 91—421.
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Haynes, Richard H. Tire removal tool. 3,374,819, 3–26–68, Cl. 157—1.17.
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Hayward, Stuart L., to Dowty Hydraulic Units Ltd. Tractors. 3,365,001, 1–23–68, Cl. 172—7.
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Kovacs, Lorand, and Heisler. 3,389,778.
Heisler, Raymond A.: *See*—
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Heisler, Raymond A. Ear shaping apparatus. 3,389,669, 6–25–68, Cl. 113—1.
Heisler, Raymond A. Gear released clutch with positive brake. 3,392,811. 7–16–68. Cl. 192—12.
Heisler, Raymond A. Reversible sprag-type film escapement mechanism. 3,397,827. 8–20–68, Cl. 226—59.
Heisler, Raymond A. Ear contacting and lifting mechanism. 3,398,711, 8–27–68. Cl. 113—1.
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Newman, Stanley R., Eckert, Hess, and Heisler. 3,377,-401.
Heisman, Frederick, W. Dubrow, and B. Freedman, to S. Blickman, Inc. Space saver chart desk. 3,365,259, 1–23–68, Cl. 312—194.
Heiss, Herbert L., to Mobay Chemical Co. Prepolymer composition. 3,384,624, 5–21–68, Cl. 260—77.5.
Heiss, Herbert L., to Mobay Chemical Co. Process of molding polyurethane plastics. 3,413,390, 11–26–68, Cl. 264—54.
Heiss, John F., and R. Kolasinski., to Diamond Salt Co. Method and apparatus for producing brine. 3,365,280, 1–23–68, Cl. 23—312.
Heiss, John F., and G. E. Binsley, to Diamond Crystal Salt Co. Flake salt made free flowing by applying propylene glycol to the salt particle surfaces. 3,374,098, 3–19–68, Cl. 99—143.
Heiss, Rudolf, K. Mannes, H. Pelster, G. Unterstenhofer, and W. Behrenz, to Farbenfabriken Bayer Aktiengesellschaft. Phosphoric, phosphonic, phosphinic, thionophosphoric-phosphonic, phosphinic acid esters. 3,374,293, 3–19–67, Cl. 260—949.
Heist, C. H., Ohio Corp.: *See*—
Crowe, Andrew R., and Foster. 3,399,492.
Heit, Allyn H.: *See*—
Calmon, Calvin, and Heit. 3,394,068.
Heit, Henry J., to General Electric Co. Thermostatic control system with smoke overload protection. 3,413,444, 11–26–68, Cl. 219—398.
Heiter, George L., to Bell Telephone Laboratories, Inc. Nonreciprocal gyromagnetic waveguide device with heat transfer means forming a unitary structure. 3,408,597, 10–29–68, Cl. 333—24.1.
Heithaus, William C., to Sperry Rand Corp. Microwave gyromagnetic device wherein the gyromagnetic member has several parallel apertures throughout its length. 3,411,113, 11–12–68, Cl. 333—24.1.
Heitlinger, Eugene V.: *See*—
Schwartz, James W., Javorik, Heitlinger, and Rowe. 3,370,194.
Heitmann, Gunter: *See*—
Thumm, Wilhelm, and Heitmann. 3,388,870.
Heitmann, Hans-Gunter: *See*—
Sieth, Joachim, and Heitmann. 3,367,747.
Heitmann, Herbert, to International Standard Electric Corp. Time scan network search. 3,400,224, 9–3–68, Cl. 179—18.
Heitmann, William E., and M. G. Wright, to Inland Steel Co. Process for reducing surface checking during hot working of steel. 3,382,700, 5–14–68, Cl. 72—364.
Heitmueller, Werner: *See*—
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Heitmuller, Paul M., to Monsanto Co. Spindle adapter. 3,401,-895, 9–17–68, Cl. 242—46.3.
Heitshu, Daniel C.: *See*—
Seymour, Shaun A., Mann, James, and Heitshu. 3,370,-721.
Wallin, Robert E., Blanshine, Heitshu, and Focht. 3,401,-729.
Heitz, Charles T. Incinerator. 3,361,093, 1–2–68. Cl. 110—18.
Heitz, Charles T. Cover for trash burners. 3,403,644, 10–1–68, Cl. 110—18.
Heitzer, Heinrich, to Demag-Lauchhammer Maschinenbau und Stahlbau G.m.b.H. Excavating system with movable hopper and feeding conveyor. 3,393,791, 7–23–68, Cl. 198—36.
Heitzman, Charles J., to R & H Molding, Inc. Sequencing sprinkler. 3,402,890, 9–24–68, Cl. 239—66.
Helwolt, Gerhard, and G. Voss, to Salzgitter Industriebau Gesellschaft m.b.H. Reinforced concrete reinforcement for highly stressed structural components. 3,374,595, 3–26–68, Cl. 92—648.
Hejj, Erwin, to Beteiligungs- und Patentverwaltugsgesellschaft mit beschrankter Haftung. Rotary piston engine. 3,391,677, 7–9–68, Cl. 123—8.
Hejzlar, Sid, to Aero-Chatillon Corp. Torque gauge. 3,386,-284, 6–4–68. Cl. 73—139.
Helber, Carl A., and C. J. Pasquier, to Goodyear Aerospace Corp. Video phase comparison guidance system for aircraft and the like. 3,419,860, 12–31–68, Cl. 343—7.
Helberg, Jurgen: *See*—
Feldhoff, Manfred, Gumboldt, and Helberg. 3,386,957.
Helbling, Willy, to Sulzer Brothers Ltd. Pressure tubes for nuclear reactors. 3,365,370, 1–23–68, Cl. 176—59.
Helbourne, Margaret. Stringed musical instrument. 3,413,883, 12–3–68, Cl. 84—267.
Helck, Jerry P., to Air Reduction Co., Inc. Flexible thread system. 3,369,414, 2–20–68, Cl. 74—89.
Held, Franz: *See*—
Thomas, Hermann, Weinmann, and Held. 3,381,911.

Held, Gerhard, to Maschinenfabrik Augsburg-Nurnberg, A.G. Supercharged otto gas engines. 3,374,774, 3–26–68, Cl. 123—30.
Held, Hans-Joachim: *See*—
Stark, Rudolf, and Held. 3,381,273.
Held, Hans-Joachim, to Telefunken Patentverwertungsgesellschaft m.b.H. Method and apparatus for scanning. 3,402,299, 9–17–68, Cl. 250—219.
Held, Ludwig, to Hofmann Gebr. K.G. Device for compensating unbalances of revolving axially symmetrical parts. 3,376,759, 4–9–68, Cl. 74—573.
Held, Mildred M. Scarf. 3,380,076, 4–30–68, Cl. 2—207.
Helda, Robert W., and W. E. La Point, to Sylvania Electric Products Inc. Method of bonding filamentary material. 3,400,448, 9–10–68, Cl. 29—471.1.
Helda, Robert W., and M. L. Lincoln to Motorola, Inc. Plastic encapsulated transistor and method of making same. 3,413,713, 12–3–68, Cl. 29—588.
Helfer, Blanche. Hand covering. 3,403,408, 10–1–68, Cl. 2—158.
Helfer, Friedrich: *See*—
Finke, Ernst-Günter, and Helfer. 3,377,876.
Helfer, Heinz, to The Mettoy Co. Ltd. Constructional toy composed of separable rods and plates. 3,363,361, 1–16–68, Cl. 46—17.
Helfferich, Friedrich G.: *See*—
Fetterly, Lloyd C., Conklin, Kortitz, Helfferich, Gilderson, and Newman. 3,375,265.
Helfferich, Johannes: *See*—
Dippel, Cornelis J., Jonker, Der Kinderen, and Helfferich. 3,390,988.
Helfrich, George F., and E. J. Rothermel, Jr., to The Dow Chemical Co. Preparation of fluorinated polymers. 3,380,977, 4–30–68, Cl. 260—87.5.
Helfrich, John H.: *See*—
Corbin, Joseph E., Helfrich, Heller, Nocodemus, Smith, Spencer, and Townley. 3,401,235.
Helgesen, Peter E., to Armco Steel Corp. Building mullion. 3,418,772, 12–31–68, Cl. 52—397.
Helgeson, Gerald L.: *See*—
Brown, Frank M., Burton, Helgeson, and Willcox. 3,364,518.
Brown, Frank M., Burton, Helgeson, and Willcox. 3,412,424.
Helgeson, Gerald L., J. A. Willcox, F. M. Brown, and J. A. Burton, to Geo. A. Hormel & Co. Apparatus for deboning meat. 3,402,423, 9–24–68, Cl. 17—1.
Helgesson, Alan L., to Varian Associates. Atomic frequency standard employing tandem second harmonic and fundamental phase sensitive detection for frequency lock. 3,368,160, 2–6–68, Cl. 331—3.
Helgesson, Alan L., to Varian Associates. Time scale changer for atomic stabilized frequency sources. 3,408,591, 10–29–68, Cl. 331—3.
Helgren, Richard H.: *See*—
Alley, Walter V., and Helgren. 3,414,222.
Hellker, Robert F., and R. A. Hunder, to Minnesota Mining and Mfg. Co. Self-marking record material. 3,411,976, 11–19–68, Cl. 161—5.
Helin, Richard R., to General Mills, Inc. Handle for a heat-in-the-bag food package. 3,407,077, 10–22–68, Cl. 99—171.
Heli-Plc, Inc.: *See*—
Recker, Kenneth H. 3,410,068.
Hell, Dr.-Ing. Rudolf, Kommanditgesellschaft: *See*—
Hell, Rudolf. 3,374,311.
Hell, Rudolf. 3,400,213.
Hell, Rudolf, to Dr. Ing. Rudolf Hell, Kommanditgesellschaft. Producing printing blocks, preferably intaglio printing blocks. 3,374,311, 3–19–68, Cl. 178—6.6.
Hell, Rudolf, to Dr.-Ing. Rudolf Hell Kommanditgesellschaft. Electrostatic telegraphic printer. 3,400,213, 9–3–68, Cl. 178—15.
Hell, Wilfried H.: *See*—
Haas, Ralph W., and Hell. 3,407,393.
Helland, Howard M., to Appleton Mills. Adjustable woven fabric. 3,383,278, 5–14–68, Cl. 162—211.
Helland, Howard M., and F. H. Orbison, to Appleton Mills. Adjustable woven filtering material having angularly disposed guide lines. 3,382,979, 5–14–68, Cl. 210—91.
Helland, Kristian L.: *See*—
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Hellbardt, Gunter, and M. Michelitsch, to International Business Machines Corp. Method of polishing gallium arsenide single crystals by reaction with a gaseous atmosphere incompletely saturated with gallium. 3,393,103. 7–16–68. Cl. 148—175.
Hellebrand, Otto. Edge section for flat roofs with internal drainage. 3,389,515, 6–25–68, Cl. 52—94.
Hellem, Robert P.: *See*—
Fontana, Robert M., and Hellem. 3,394,869.
Hellem, Robert P., to National Dairy Products Corp. Package. 3,388,788, 6–18–68, Cl. 206—45.33.
Heller, Adam, to Bell Telephone Laboratories, Inc. Neodymium doped deuterium oxide laser. 3,404,351, 10–1–68, Cl. 331—94.5.
Heller, Anton H., to United Suffolk Corp. Vehicular enclosure for maintaining material at an elevated temperature. 3,386,435, 6–4–68, Cl. 126—343.5.
Heller, B., & Co.: *See*—
Wistreich, Hugo E., Gorsica, and Peryam. 3,399,065.
Heller, Eugene P., and R. A. Textor. Flexible drill and guide tool. 3,365,987, 1–30–68, Cl. 77—55.
Heller, Fritz P., to Elliott Brothers (London) Ltd. Display apparatus utilizing partially reflecting adjustable mirror to superimpose two images. 3,415,951, 12–10–68, Cl. 178—7.88.
Heller, Hansjorg, J. Rody, and E. Keller, to J. R. Geigy S.A. Light-stable polyaddition compounds. 3,399,173. 8–27–68, Cl. 260—47.
Heller, Harold: *See*—
Corte, Herbert, Heller, and Netz. 3,393,160.
Heller, Henry B., and R. C. Abraham, to Conrac Corp. Semiconductive pressure transducer. 3,417,361. 12–17–68. Cl. 338—42.
Heller, Herbert: *See*—
Becker, Earl M., McInnes, and Heller. 3,399,398.
Heller, Isaac, to Remco Industries, Inc. Doll with movable head and sound-producing means. 3,376,665, 4–9–68, Cl. 46—118.
Heller, Isaac. Noisemaking projectile toy. 3,418,995, 12–31–68, Cl. 124—27.
Heller, James D.: *See*—
Blood, Alden E., and Heller. 3,409,657.
Heller, Joel, to Packaging Components, Inc. Dispensing containers. 3,387,699, 6–11–68, Cl. 206—42.
Heller, Joseph I., to Belock Instrument Corp. Recorded dielectric medium and recording and playback methods and apparatuses. 3,378,645, 4–16–68, Cl. 179—100.1.
Heller, Karl-Heinz: *See*—
Von der Emden, Wolfgang, Kocher, Wagner, and Heller. 3,367,916.
Heller, Karl-Heinz, P. Popper, J. Nentwig, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Thermally stable polyamides containing copper 2,2′-dihydroxy-diphenylsulfides or mixtures of copper salts with 2,2′-dihydroxy-diphenylsulfides. 3,384,616, 5–21–68, Cl. 260—45.75.
Heller, Karl-Heinz, J. Nentwig, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of complex salts of bis-(O-hydroxy-aryl) sulphides and divalent metals. 3,390,160, 6–25–68, Cl. 260—433.
Heller, Karl H., G. Pietzuch, and G. Heidelmann, to Continental Gummi-Werke AG. Gripper for hoisting equipment. 3,400,967, 9–10–68, Cl. 294—93.
Heller, Kenneth A.: *See*—
Corbin, Joseph E., Helfrich, Heller, Nocodemus, Smith, Spencer, and Townley. 3,401,235.
Heller, Laszlo, L. Forgo, and M. Horvath, to Komplex Nayberendezesek Export-Import Vallalata. Mixing condensers. 3,391,911, 7–9–68, Cl. 261—118.
Heller, Laszlo, and L. Forgo, to Komplex Nagyberendezesek Export-Import Vallalatta. Method of and apparatus for controlling plural fluid medium thermal power plants. 3,413,805, 12–3–68, Cl. 60—38.
Heller, Lothar R., to Fridon Mfg. Ltd. Windshield wiper assemblies. 3,408,680, 11–5–68, Cl. 15—250.42.
Heller, Martin G.: *See*—
Hall, Raymond L. 3,396,758.
Heller, Milton, and S. Bernstein, to American Cyanamid Co. Nitrogen containing pregnenes and method of preparing the same. 3,381,004. 4–30–68. Cl. 260—239.55.
Heller, Milton, and S. Bernstein, to American Cyanamid Co. 16,20-cyclosteroids. 3,409,611, 11–5–68, Cl. 260—239.55.
Heller, Milton, and S. Bernstein, to American Cyanamid Co. Nitrogen containing steroids. 3,409,641, 11–5–68, Cl. 260—397.4.
Heller, Ralph M., J. R. Bowen, and J. L. Corley, to Westinghouse Electric Corp. Two-character single-error-correcting system compatible with telegraph transmission. 3,412,380, 11–19–68, Cl. 340—146.1.
Heller Roberts Instruments Corp.: *See*—
Le Gault, Richard L. 3,406,628.
Heller, Stanley, W. F. Anderson, and R. B. Berlin, to Itek Corp. Data disk structure and rotatable mounting therefor. 3,416,154, 12–10–68, Cl. 346—137.
Heller, Stanley, W. F. Anderson, and R. B. Berlin, to Itek Corp. Positioning system with gas bearing moving coil. 3,417,269, 12–17–68, Cl. 310—27.
Heller, Walter E., & Co., Inc.: *See*—
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Heller, Walter K. Defroster and windshield heater. 3,416,428, 12–17–68, Cl. 98—2.
Heller, William C., Jr.: *See*—
James, Albert L., and Heller. 3,379,102.
Leatherman, Alfred F 3,396,258.
Leatherman, Alfred F., and Heller. 3,395,261.
Heller, William C., Jr., and D. W. Davis; said Davis, assor. to said Heller. Carton blank and commodity container. 3,400,878. 9–10–68, Cl. 229—37.
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Bron, Walter E., Heller, and Roland. 3,366,818.
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Jones, Howard W. H., and Helleur. 3,372,879.
Jones, Howard W. H., and Helleur. 3,411,720.
Hellgren, Leroy L., to United States of America, Navy. Shielding of electrical circuits by metal deposition. 3,368,112, 2–6–68, Cl. 317—101.
Hellige, Fritz & Co. G.m.b.H.: *See*—
Braun, Karl, Eisermann, and Streu. 3,393,626.
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Weber, Paul. 3,398,359.
Helligrath, Fritz, O. Riedel, and W. Ziems, to Betelligungs- und Patentverwaltungsgesellschaft. Coil binder. 3,384,006, 5–21–68, Cl. 100—10.

Helling, Walter H.: *See*—
Tidwell, John H. 3,385,480.

Hellinger, Robert H. Boat bumper. 3,402,558, 9–24–68, Cl. 61—48.

Hellingman, Gosen J., to Sulzer Brothers Ltd. Apparatus for liquid cooling of pistons in piston-type interanl combustion engines. 3,413,963, 12–3–68, Cl. 123—41.36.

Hellings, Geoffrey M., to Redifon Air Trainers Ltd. Focusing in optical systems. 3,401,233, 9–10–68, Cl. 178—7.85.

Helliwell, Derek P., to Foseco International Ltd. Additives to sand moulds and cores. 3,379,540, 4–23–68, Cl. 106—38.5.

Hellman, Robert R., to Westport Development & Mfg. Co., Inc. Temperature-responsive actuator. 3,365,182, 1–23–68, Cl. 236—93.

Hellman, Robert R., to Westport Development & Mfg. Co., Inc. Displacement transmitting device. 3,369,089, 2–13–68, Cl. 200—81.9.

Hellman, Robert R., to Westport Development & Mfg. Co. Inc. Gimbal valve. 3,414,232, 12–3–68, Cl. 251—86.

Hellmers, Henry D.: *See*—
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Hellmich, Edward J., and K. L. Whitnah. Grids. 3,398,497, 8–27–68, Cl. 52—665.

Hellmig, Ehrhard, to General Aniline & Film Corp. Color masking procedure and materials therefor. 3,362,820, 1–9–68, Cl. 96—9.

Hellmig, Ehrhard, and F. Moll, to Agfa Aktiengesellschaft. Photographic silver halide multilayer material for correcting inadequate contrast. 3,396,024, 8–6–68, Cl. 96—69.

Hellmig, Ehrhard, and W. Kleist, to Agfa Aktiengesellschaft. Engraving foil with a light-absorbing layer for electronic engraving. 3,415,698, 12–10–68, Cl. 156—1.

Hellstrom, Erlc R.: *See*—
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Hellstrom, Klas E. G., to Aktiebolaget Kamyr. Pulp filter. 3,381,821, 5–7–68, Cl. 210—116.

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Lin, Hung C., and Hellstrom. 3,391,311.

Hellsund, Olof H., to Swedlow Inc. Continuous casting apparatus. 3,371,383, 3–5–68, Cl. 18—26.

Hellwarth, George A. Electrical amplifier. 3,414,830, 12–3–68, Cl. 330—15.

Hellwarth, George A., A. W. Bidwell, and D. H. Beetle, Jr., to International Business Machines Corp. Adaptive threshold signal detector with noise suppression. 3,387,222, 6–4–68, Cl. 329—192.

Hellyer, J. T., Inc.: *See*—
Hellyer, John T. 3,375,770.

Hellyer, John T., to J. T. Hellyer, Inc. Photographic processing machine. 3,375,770, 4–2–68, Cl. 95—94.

Helm, Carl A., to Woodward Governor Co. Digital synchronizing and phase matching system. 3,368,108, 2–6–68, Cl. 317—6.

Helm, Charles D., to Rexall Drug and Chemical Co. Polypropylene purification. 3,415,799, 12–10–68, Cl. 260—93.7.

Helm, Charles W., to The Gray Mfg. Co. Sound translating apparatus. 3,390,884, 7–2–68, Cl. 274—17.

Helm, Charles W., to The Gray Mfg. Co. Sound translating apparatus. 3,390,885, 7–2–68, Cl. 274—21.

Helm, Edward J., to Koppers Co., Inc. Apparatus for treating exhaust gases from an oxygen converter. 3,409,283, 11–5–68, Cl. 266—36.

Helm, Harry A., to Bell Telephone Laboratories, Inc. Error control apparatus. 3,372,376, 3–5–68, Cl. 340—146.1.

Helm, Harry A., to Bell Telephone Laboratories, Inc. Digital information multiplexing system with synchronizing means. 3,394,224, 7–23–68, Cl. 178—50.

Helm, Hubert. Log drawing apparatus. 3,384,254, 5–21–68, Cl. 214—512.

Helm, Percy R., and C. O. Lewis, to The Manitowoc Co. Inc. Apparatus for stabilizing a crawler crane. 3,393,758, 7–23–68, Cl. 180—6.7.

Helm, Percy R., and C. O. Lewis. Method for stabilizing a crawler crane. 3,416,622, 12–17–68, Cl. 180—6.7.

Helm, Roy S. Method and apparatus for manufacturing fiber reinforced plastic sheets. 3,383,266, 5–14–68, Cl. 156—313.

Helmer, John C., to Varian Associates. Dual orbit mass spectrometer for analyzing ions in the mass range of 1 to 100. 3,387,131, 6–4–68, Cl. 250—41.9.

Helmer, John C., to Varian Associates. High vacuum pump employing apertured penning cells driving ion beams into a target covered by a getter sublimator. 3,416,722, 12–17–68, Cl. 230—69.

Helmer, Josef A.: *See*—
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Helmer, Josef A., to Daimler-Benz Aktiengesellschaft. Parking lock mechanism for vehicles, especially motor vehicles. 3,373,850, 3–19–68, Cl. 192—4.

Helmer, Josef A., to Daimler-Benz Aktiengesellschaft. Rotor of hydrodynamic unit. 3,386,244, 6–4–68, Cl. 60—54.

Helmer, Josef A., to Daimler-Benz Aktiengesellschaft. Freewheeling clutch with gripping rollers. 3,406,799, 10–22–68, Cl. 192—45.

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Kidd, Joseph V. 3,373,891.

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Helmig, Richard W.: *See*—
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Helmintoller, Augustus M.: *See*—
Gross, Charles H., and Helmintoller. 3,386,247.

Helmke, George E.: *See*—
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Helms, Charles R., to Knoll Associates, Inc. Rotatable chair height-adjustment mechanism. 3,386,697, 6–4–68, Cl. 248—406.

Helms, Charles R., to Art Metal-Knoll Corp. Chair control. 3,417,956, 12–24–68, Cl. 248—379.

Helms, Frank S.: *See*—
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Helms, Jerry N., to E. I. du Pont de Nemours and Co. Apparatus for feeding fibers. 3,385,491, 5–28–68, Cl. 226—25.

Helms, John D., and H. L. Brown, Jr., to Texas Instruments Inc. Method of manufacturing printed circuits. 3,414,487, 12–3–68, Cl. 204—11.

Helms, Thomas F.: *See*—
Von Wrangell, Charles P. E., Helms, Tucker, and Willrich. 3,411,448.

Helms, Thomas F., to Idex Corp. Can bead depth gauge. 3,363,320, 1–16–68, Cl. 33—172.

Helms, Thomas F., to Idex Corp. Method and apparatus for testing the pressure tightness of containers. 3,399,563, 9–3–68, Cl. 73—45.2.

Helms, Thomas F., to Idex Corp. Can body testing machine. 3,418,845, 12–31–68, Cl. 73—45.5.

Helmschrott, Norbert, to Kienzle Apparate G.m.b.H. Recording pendulum with plural drive means. 3,369,248, 2–13–68, Cl. 346—7.

Helsel, Wayne F., to Ranney Refrigerator Co. Refrigerator-freezer construction. 3,375,679, 4–2–68, Cl. 62—441.

Helsing, Erik, and N.-E. Strom, to Allmanna Svenska Elektriska Aktiebolaget. Device for indicating abnormal operating conditions in electrode furnaces. 3,397,277, 8–13–68, Cl. 13—13.

Helsing, Knud J., to Victor Products Corp. Electronic malfunction control for vending machines. 3,389,388, 6–18–68, Cl. 340—309.1.

Heltra, Inc.: *See*—
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Heltzel, Carl J. Mobile batching plant. 3,406,839, 10–22–68, Cl. 214—2.

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Moore, Frank C., and Helveston. 3,369,548.

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Holland, Harry W., and Helvey. 3,419,386.

Helwig, Lawrence E.: *See*—
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Hembree, Clyde R., to Martin-Marietta Corp. Correlation guidance system having multiple switchable field of view. 3,416,752, 12–17–68, Cl. 244—317.

Hemenway, Earl M. Knock-down awning device and package. 3,417,764, 12–24–68, Cl. 135—5.

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Hemker, Fritz L., to The Babcock & Wilcox Co. Fuel burner. 3,400,921, 9–10–68, Cl. 266—29.

Hemker, James B., to Square D Co. Positioning control circuit including overshoot prevention means. 3,406,320, 10–15–68, Cl. 318—18.

Hemmann, Helmut: *See*—
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Hemmenway, Stuart F., to General Electric Co. SCR power supply regulator triggered by magnetic amplifiers. 3,374,423, 3–19–68, Cl. 323—22.

Hemmenway, Stuart F., and G. M. Rosenberry, Jr., to General Electric Co. Voltage regulator. 3,366,870, 1–30–68, Cl. 322—59.

Hemmert, Willi, to W. Ferd. Klingelnberg Sohne. Apparatus for checking tooth flanks, especially of involute straight and helical spur gears. 3,388,477, 6–18–68, Cl. 33—179.5.

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Henry, Georges A. Pushbutton tuner. 3,390,581, 7–2–68, Cl. 74—10.27.
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Hergenrother, William L., to The Firestone Tire & Rubber Co. Manganous benzoate as an ester interchange catalyst. 3,372,185, 3-5-68, Cl. 260—475.

Hergenrother, William L., to The Firestone Tire & Rubber Co. Manganese chloride tetrahydrate as an ester interchange catalyst. 3,372,186, 3-5-68, Cl. 260—475.

Hergert, Heinz, to Polrotor Inc. Method for electrifying and shearing of pile fabrics. 3,413,695, 12-3-68, Cl. 26—2.

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Herglotz, Heribert K. J., to E. I. du Pont de Nemours and Co. X-ray spectrograph apparatus using low angle X-ray reflecting units and means to vary the X-ray incidence angle. 3,418,466, 12-24-68, Cl. 250—49.5.

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Turnbull, Roger F., and Herigstad. 3,416,491.

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Herion, Erich. Switch valve, especially magnet valve with subdivided housing parts which are detachable from each other. 3,398,764, 8-27-68, Cl. 137—614.

Herion, Henry. Electrical receptacle device with main lamp and thermostatically-controlled auxiliary lamp sockets. 3,401,368, 9-10-68, Cl. 337—1.

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Herlet, Adolf, and H. Patalong, to Siemens Schuckertwerke Aktiengesellschaft. Semiconductor thyristor of PNPN type. 3,368,121, 2-6-68, Cl. 317—234.

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Herman, Donald E., A. B. Hanse, and P. R. Vifian, to Pettibone Mulliken Corp. Material classifying apparatus. 3,388,797, 6–18–68, Cl. 209—241.
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Herman, Harry H., Jr., 15% to L. and J. A. Broido. Method and apparatus for movement of liquids by electromagnetic means. 3,371,541, 3–5–68, Cl. 74—5.
Herman, Harvey. Cooling unit. 3,399,539, 9–3–68, Cl. 62—3.
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Saccardo, Pietro, Trada, Fattore, and Herzenberg. 3,412,041.

Herzig, Ernst, M. Munz, and B. Simunic, to Durisol A.-G. fur Leichtbaustoffe. Prehardening of cement bonded-formed bodies. 3,393,261. 7–16–68. Cl. 264—82.

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Herzog, Gerald B., to Radio Corp. of America. Transistor-negative resistance diode circuits using D.C. feedback. 3,408,592, 10–29–68, Cl. 331—8.

Herzog, Henry J. Match folder. 3,401,790, 9–17–68, Cl. 206—29.

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Herzog, Hilmar, to Gustav Bauer Guba-Uhrenrohwerke Watchband. 3,362,595, 1–9–68, Cl. 224—4.

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Herzog, John H., to Houdaille Industries, Inc. Notching unit. 3,405,583. 10–15–68, Cl. 83—588.

Herzog, Lothar J., to Grace Fibres Canada Ltd. Flexible weight line and method of making weight line. 3,400,628, 9–10–68, Cl. 87—6.

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Heseltine, Donald W., J. E. Jones, and L. L. Lincoln, to Eastman Kodak Co. Butadienyl dyes for photography. 3,384,487, 5–21–68, Cl. 96—84.

Heselwood, James C., to Bethlehem Steel Corp. Apparatus for ultrasonically scanning a tubular member. 3,382,707, 5–14–68. Cl. 73—71.5.

Hesidence, Arthur J. Golf swing training device. 3,401,941, 9–17–68, Cl. 273—186.

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Heskestad, Gunnar, to American Standard Inc. Fluid guiding method and apparatus. 3,396,738. 8–13–68, Cl. 137—13.

Heskestad, Gunnar, and D. G. Gallie. Air treating means including an air flow directing system. 3,387,647, 6–11–68, Cl. 165—32.

Heslop, William R., V. L. Lanza, and E. C. Stivers, to Raychem Corp. Protective covering and article. 3,415,287, 12–10–68, Cl.138—141.

Hess, Earl H., to Bachman Chocolate Mfg. Co. Process for manufacturing flavoring material from cocoa shell-containing chocolate manufacturing by-products. 3,392,027, 7–9–68, Cl. 99—26.

Hess, Emil J. Tape holding device. 3,401,793, 9–17–68, Cl. 206—53.

Hess, Frederic O., to Selas Corp. of America. Tube heater. 3,361,538, 1–2–68, Cl. 23—284.

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Hess, Howard V., and F. E. Guptill, Jr., to Texaco Inc. Recovery of fresh water from brine. 3,395,098, 7–30–68, Cl. 210—22.

Hess, Jacob, E. J. Zachmann, and R. M. Spinelli, to General Bronze Corp. Revolving doors. 3,364,620, 1–23–68, Cl. 49—43.

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Hesse, Holger. Device for training closed chest heart massage. 3,401,471, 9–17–68, Cl. 35—17.

Hesse, Holger. Pressure relief valve. 3,417,795, 12–24–68, Cl. 137—514.

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Hesselbarth, Richard G., to Best Plastics Inc. Multiple unit package. 3,366,265, 1–30–68, Cl. 220—23.4.

Hesselmann, Willy. Apparatus for circulating viscous substances with cleaning provisions. 3,382,886, 5–14–68, Cl. 137—240.

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Hestehave, Borge T. Apparatus for blow molding hollow plastic articles having a neck portion. 3,364,520, 1–23–68, Cl. 18—5.

Hesten, Francis, and F. W. Newell, to Pilkington Bros. Ltd. Apparatus for and methods of toughening glass articles. 3,393,062. 7–16–68, Cl. 65—115.

Hester, Edgar, and L. C. Price, to Edco, Inc. Machine for breading food products. 3,380,432, 4–30–68, Cl. 118—16.

Hester, Jackson B., Jr., to The Upjohn Co. 3-hydroxymethyl-4-(indol-3-yl)-hexahydro-1H-azepines and method of preparation. 3,364,228, 1–16–68, Cl. 260—326.15.

Hester, Jackson B., Jr., to The Upjohn Co. 2-oxo-4-(indol-3-yl)-hexahydro-1H-azepines and process for their preparation. 3,396,160. 8–6–68, Cl. 260—239.3.

Hester, John P., to Wilbur Curtis Co., Inc. Beverage brewing basket. 3,388,804, 6–18–68, Cl. 210—470.

Hester, John P., to M. A. Curtis. Beverage decanter construction. 3,400,865, 9–10–68, Cl. 222—475.

Hester, Lewis W., to Anadarko Production Co. Flow distributor attachment for irrigation flow ways. 3,374,955, 3–26–68, Cl. 239—145.

Heston, Russell G., Jr., and W. F. Junker, to Union Carbide Corp. Watersled. 3,384,910, 5–28–68, Cl. 9—310.

Hetchler, John D. Production and use of hydroxyalkyl acid esters of fatty acid. 3,383,313, 5–14–68, Cl. 252—39.

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Hetmann, Richard, to Dr. Ing. h.c.F. Porsche K.G., Firma, Drive unit for vehicles. 3,399,743, 9–3–68, Cl. 180—55.

Hetmann, Richard, and J. Behr, to Dr. Ing. h.c.F. Porsche K.G., Firma. Shifting arrangement for multi-speed gear wheel change-speed transmissions, especially for motor vehicles. 3,418,866, 12–31–68, Cl. 74—477.

Hetrick, George L., to Westinghouse Electric Corp. Dryer control. 3,402,478, 9–24–68, Cl. 34—53.

Hetterich, George C., to Jacques Kreisler Mfg. Corp. Flexible leather watchband. 3,369,722, 2–20–68, Cl. 224—4.

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Hettich, Adam J., to James, Pond & Clark, Inc. High-pressure bleed valve. 3,396,939, 8–13–68. Cl. 251—253.

Hettich, Leopold W., to Hycon Mfg. Co. Bearing assembly preload apparatus. 3,365,252, 1–23–68, Cl. 308—189.

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Hettrick, William R. Honeycomb uncapping machine. 3,388,-409, 6–18–68, Cl. 6—12.

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Hetzel, Max, to Centre Electronique Horloger S.A. Machine for cutting toothed wheels. 3,376,786, 4–9–68, Cl. 90—1.
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Hochreiter, William T., R. S. Kareken, and D. E. Beach, to Eastman Kodak Co. Automatic control for daylight or flash operation of a camera. 3,406,620, 10-22-68, Cl. 95—10.

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Hochstein Francis A., to Chas. Pfizer & Co., Inc. Hexamethonium salts as growth promoters in amimal feed compositions. 3,397,990, 8-20-68, Cl. 99—2.

Hocke, Wilhelm, to Mahle Komm.-Ges. Light metal piston. 3,391,613, 7-9-68, Cl. 92—228.

Hockenberger, Lothar, and H. Binder, to Rutgerswerke und Teerverwertung Aktiengesellschaft. Process for producing pyridine. 3,367,938, 2-6-68, Cl. 260—290.

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Hockin, Russell. Automobile vacuum cleaning system. 3,384,916, 5-28-68, Cl. 15—313.

Hocutt, Urey, to The Johnson Fast Print Machine Corp. Method and means for supporting the backing cylinder of printing apparatus to facilitate replacing an endless member extending partly around it. 3,413,919, 12-3-68, Cl. 101—216.

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Hodas, Martin. Belly-whopping sled. 3,391,947, 7–9–68, Cl. 280—87.03.

Hodel, Ernst, to Geigy Chemical Corp. O-quinolyl-(8)-N-methyl carbamic acid esters. 3,362,960, 1–9–68, Cl. 260—287.

Hodel, Ernst, to Geigy Chemical Corp. Combatting insects with O-[-2-lower alkyl-quinolyl-(8)]-N-methyl carbamates. 3,384,538, 5–21–68, Cl. 167—33.

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Hodge, Edward B., P. H. Hidy, and H. L. Wehrmeister, to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,373,025, 3–12–68, Cl. 99—2.

Hodge, Edward B., P. H. Hidy, and H. L. Wehrmeister, to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,373,026, 3–12–68, Cl. 99—2.

Hodge, Edward B., P. H. Hidy, and H. L. Wehrmeister, to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,373,027, 3–12–68, Cl. 99—2.

Hodge, Edward B., P. H. Hidy, and H. L. Wehrmeister, to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,373,028, 3–12–68, Cl. 99—2.

Hodge, Edward B., P. H. Hidy, and H. L. Wehrmeister, to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,373,029, 3–12–68, Cl. 99—2.

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Hodge, Edward B., P. H. Hidy, and H. L. Wehrmeister, to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,373,036, 3–12–68, Cl. 99—2.

Hodge, Edward B., P. H. Hidy, and H. L. Wehrmeister, to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,373,038, 3–12–68, Cl. 99—2.

Hodge, Edward B., P. H. Hidy, and H. L. Wehrmeister, to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,373,039, 3–12–68, Cl. 99—2.

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Hodges, Frank P., and J. W. Luce, to Westinghouse Electric Corp. Sea direction indicator. 3,375,715, 4–2–68, Cl. 73—170.

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Hodges, Merwyn E., to General Electric Co. Logical control means utilizing time delay and knockout "And" circuits. 3,390,279, 6–25–68, Cl. 307—208.

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Hodges, Ralph R., to Empire Stove Co. Burner for baseboard gas heater. 3,365,135, 1–23–68, Cl. 238—398.

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Hodges, William C., and H. R. Harlan, Jr., to Ritter Pfaudler Corp. Non-toxic epoxy coating containing a polyketimine curing agent. 3,378,600, 4–16–68, Cl. 260—880.

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Hodgkin, Neal W. Adjustable two-way table. 3,361,088, 1–2–68, Cl. 108—12.

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Hodgson, James E., to The Solid Fuels Corp. Coated tablets and other fuel cores of exotic reactive fuels and method of making same. 3,377,955, 4–16–68, Cl. 102—102.

Hodgson, James E., to Solid Fuels Corp. Organic fusible solid fuel binders and stabilizers and method of extruding and burning. 3,388,554, 6–18–68, Cl. 60—217.

Hodgson, John, and R. O. Hall, to British Titan Products Co. Ltd. Process and apparatus for milling. 3,416,740, 12–17–68, Cl. 241—21.

Hodgson, R. W. Apparatus and method for physically defining an instrument-perceptible spacial location. 3,381,294, 4–30–68, Cl. 343—108.

Hodgson, Robert F., to Commercial Shearing & Stamping Co. Fluid control valves. 3,414,017, 12–3–68, Cl. 137—596.2.

Hodgson, Robert F., and A. J. Williams, to Commercial Shearing & Stamping Co. Control valves. 3,390,700, 7–2–68, Cl. 137—612.1.

Hodgson, Robert W., and J. E. Gross. Weatherstrip mounting hand tool. 3,363,303, 1–16–68, Cl. 29—235.

Hodgson, Robert W., and J. W. Johnson. Glare-inhibiting and glare-controlling apparatus for the windshield of a motor vehicle. 3,363,666, 1–16–68, Cl. 160—23.

Hodgson, Russell L., and E. J. Smutny, to Shell Oil Co. Trithione production. 3,394,146, 7–23–68, Cl. 260—327.

Hodkinson, Harold, to Dunlop Rubber Co. Ltd. Air cooled brake disc. 3,394,780, 7–30–68, Cl. 188—218.

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Hodkinson, Harold, and A. C. Evans, to Dunlop Rubber Co. Ltd. Support means and adjusting means for a disc brake. 3,410,372, 11–12–68, Cl. 188—73.

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Hoeg, Donald F., to Rexall Drug and Chemical Co. Polypropylene polymerization process. 3,374,213, 3–19–68, Cl. 260—88.2.

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Hoeksema, Herman, to The Upjohn Co. 6,8-dideoxy-6-(2,4-dinitro-anilino)-D-erythro-D-galacto-aldehydo-octose dithioacetals. 3,369,015, 2-13-68, Cl. 260—211.

Hoekstra, Gerit D. A. Method and apparatus for making an X-ray exposure on a photographic film with X-ray tube control. 3,403,256, 9-24-68, Cl. 250—95.

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Hoekstra, James, to Universal Oil Products Co. Catalyst for treatment of combustible waste products. 3,388,077, 6-11-68, Cl. 252—466.

Hoekstra, James, to Universal Oil Products Co. Treatment of combustible waste products. 3,409,390, 11-5-68, Cl. 23—2.

Hoekstra, James, to Universal Oil Products Co. Throttling liquid streams containing particle-form solids. 3,414,522, 12-3-68, Cl. 252—317.

Hoekstra, John J., to The Dow Chemical Co. 1-[Bis(difluoroamino) fluoromethyl]-1,2,3,3-tetrafluoroguanidine and process for preparing the same. 3,361,815, 1-2-68, Cl. 260—564.

Hoekstra, John J., to Dow Chemical Co. 1-[(difluoroamino)-difluoromethyl]-1,2,3,3-tetrafluoroguanidine and process for preparing the same. 3,367,968, 2-6-68, Cl. 260—564.

Hoekstra, Piet, to North American Philips Co., Inc. Film projector. 3,384,784, 5-21-68, Cl. 315—227.

Hoekstra, Stanley. Knee operated outboard motor steering control. 3,363,599, 1-16-68, Cl. 114—144.

Hoel, Hans, to The English Electric Co. Ltd. Electrical protective relays. 3,379,933, 4-23-68, Cl. 317—36.

Hoel, Hans, to The English Electric Co. Ltd. Protective distance relay system for power transmission lines. 3,379,936, 4-23-68, Cl. 317—36.

Hoel, Hans, to The English Electric Co. Ltd. Electrical protective relay arrangement. 3,401,307, 9-10-68, Cl. 317—47.

Hoel, Hans, to The English Electric Co. Ltd. Electrical apparatus including a pair of replica impedances for measuring distances along a loaded electrical line. 3,408,564, 10-29-68, Cl. 324—52.

Hoel, Hans, to The English Electric Co. Ltd. Protective relay for an electrical system. 3,413,523, 11-26-68, Cl. 317—27.

Hoel, Hans, and W. D. Humpage, to The English Electric Co. Ltd. Electrical protective relays. 3,379,934, 4-23-68, Cl. 317—36.

Hoel, Hans, and E. Paddison, to The English Electric Co. Ltd. Electrical relays. 3,379,935, 4-23-68, Cl. 317—36.

Hoelscher, Heintich, to Triumph Intertrade Aktiengesellschaft. Brassiere having elastic shoulder straps and edging. 3,380,454, 4-30-68, Cl. 128—483.

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Hoen, Kenneth H. Impact tool assembly. 3,402,969, 9-24-68, Cl. 299—93.

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Hoenick, Hermann H., to Girling Ltd. Automatic adjusters for vehicle brakes. 3,402,791, 9-24-68, Cl. 188—106.

Hoenig, James R., to Continental Can Co., Inc. Reinforced metallic container. 3,416,702, 12-17-68, Cl. 220—70.

Hoenig, Mitchell O., to National Research Corp. Vacuum device. 3,372,531, 3-12-68, Cl. 55—269.

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Hoenisch, Walter H., to King-Seeley Thermos Co. Flaked ice dispenser. 3,406,871, 10-22-68, Cl. 222—56.

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Hoeppel, Raymond W. Stable transistor audio oscillator. 3,396,987, 8-6-68, Cl. 331—117.

Hoeppel, Raymond W. Magnetic displacement transducer. 3,397,347, 8-13-68, Cl. 317—123.

Hoeppel, Raymond W. Proximity current detector. 3,397,348, 8-13-68, Cl. 317—123.

Hoer, Kenneth G., to Muirhead & Co., Ltd. Arresting and turning mechanism for sheets. 3,392,974, 7-16-68, Cl. 217—86.

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Hoernes, Gerhard E., and G. A. Maley, to International Business Machines Corp. Gated latch. 3,381,232, 4-30-68, Cl. 328—206.

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Hoersch, Theodore M., and J. L. Shank, to Swift & Co. Method for removing characteristic flavor and/or odor from vegetable protein materials. 3,364,034, 1-16-68, Cl. 99—98.

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Hoever, Paul, to Beteiligungs- und Patentverwaltungsgesellschaft mit beschrankter Haftung. Gallery driving machine with radially movable roller drills. 3,387,893, 6-11-68, Cl. 299—60.

Hoexter, Rolf, to Mosstype Corp. Hydraulically-actuated demountable printing cylinders. 3,378,902, 4-23-68, Cl. 29—113.

Hoexter, Rolf, to Mosstype Corp. Printing plate carrier transfer mounting syatem. 3,406,629, 10-22-68, Cl. 101—415.1.

Hoexter, Rolf, and T. M. Morris, to Mosstype Corp. Machine for mounting and proofing rubber printing plates. 3,361,060, 1-2-68, Cl. 101—216.

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Hoff, Francis L., to FMC Corp. Carton forming and filling machine. 3,382,776, 5-14-68, Cl. 93—44.1.

Hoff, Francis L., to FMC Coorp. Air-heating system for heat-sealing containers. 3,404,257, 10-1-68, Cl. 219—374.

Hoff, Francis L., to FMC Corp. Carton forming apparatus. 3,408,905, 11-5-68, Cl. 93—36.8.

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Hoff, Harry H. Disposable nail polish applicator. 3,411,853, 11-19-68, Cl. 401—134.

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Hoffer, James F., to Parker-Hannifin Corp. Energy transfer mechanism. 3,369,491, 2-20-68, Cl. 103—45.

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Hofferber, Henry E., to Sperry Rand Corp. Easy engage switching circuit using signal chopping. 3,418,490, 12-24-68, Cl. 307—202.

Hoffert, Archie G., to J. A. Vance Co. Arcuated table slide for expandable tables. 3,362,357, 1-9-68, Cl. 108—83.

Hoffert, Fritz, and H. J. Schnurr, to Dornier-Werke G.m.b.H. Propulsion unit for aircraft. 3,366,350, 1-30-68, Cl. 244—55.

Hoffler, William B., to Reynolds Metals Co. Method and apparatus for labeling containers. 3,367,822, 2-6-68, Cl. 156—264.

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Hoffman, Allan C. Fluid flow control device. 3,367,363, 2–6–68, Cl. 137—517.
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Hoffman, Benjamin F., and R. W. Carruthers, Sr., to United States of America, Navy. Harmonic notch filter. 3,370,-247, 2–20–68. Cl. 330—109.
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Howe, Frederick A., and R. I. Bell, to United Kingdom Atomic Energy Authority. Particle accelerating tube having axially localised transverse magnetic fields and field-free regions. 3,402,310, 9–17–68, Cl. 313—63.
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Huber, Mortimer J., to Gresen Mfg. Co. Hydraulic torque motor. 3,391,608, 7–9–68, Cl. 91—56.
Huber, Raymond E., to United States of America, Navy. Traveling wave tube having tapered grooves and shims for improved thermal contact between metal envelope, support rods and slow wave helix. 3,374,388, 3–19–68, Cl. 315—3.5.
Huber, Richard. Ventilated wardrobe. 3,403,613, 10–1–68, Cl. 98—39.
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Huck, William F., J. B. Wyatt, A. J. Albrecht, and M. G. Gautraud, to Brunswick Corp. Pin handling mechanism. 3,409,296, 11–5–68, Cl. 273—43.

Hucker, Howard B., and M. E. Christy, to Merck & Co., Inc. Novel 10,11-dihydro-10,11-dihydroxy-(3-substituted aminopropylidene) - 5H - dibenzo[a,d]cycloheptenes. 3,390,179, 6–25–68, Cl. 260—570.8.

Hucks, Helmut, F. Binder, and H. Ludwigs, to Maschinenfabrik Froriep G.m.b.H. Hydrostatic guiding arrangement for supporting beams, especially tool holding means on machine tools. 3,418,025, 12–24–68, Cl. 308—5.

Hucks, Joseph S., Jr., to Combustion Engineering, Inc. Industrial system and process utilizing turbo-compressor unit. 3,398,534, 8–27–68, Cl. 60—95.

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Humenik, Michael, Jr., C. O. McHugh, and D. Moskowitz, to Ford Motor Co. Dispersion strengthened aluminum oxide with tungsten or molybdenum. 3,369,877, 2-20-68, Cl. 29—182.5.
Humenik, Michael, Jr., and D. Moskowitz, to Ford Motor Co. Iron bonded tungsten carbide. 3,384,465, 5-21-68, Cl. 29—182.8.
Humenuk, Stan. Article storage and retrieval system. 3,405,818. 10-15-68, Cl. 214—16.4.
Humes, Daniel B. Decorative non-burning candle device. 3,390,043, 6-25-68. Cl. 161—19.
Humes, Norman S.: *See*—
Robillard, Edward G., Kuniholm, and Humes. 3,417,512.
Humez, Joachim: *See*—
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Humez, Joachim, M. G. J. Meunier, and L. P. C. Soubrier, to Houilleres du Bassin du Nord et du Pas-de Calais. Discharge and purifying device for gaseous products. 3,406,098, 10-15-68. Cl. 202—263.
Humiston, Charles G.: *See*—
Hall, Richard H., Sikkema, Humiston, Foster, and Lamson. 3,405,004.
Humiston, Lee E., to United States of America, Navy. Chemiluminescent formulation. 3,375,176. 3-26-68, Cl. 252—188.3.
Huml, James O.: *See*—
Boeckler, Walter H., Layne, and Huml. 3,373,240.
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Layne, Gilbert S., Huml, and Smith. 3,386,817.
Huml, James O., to The Dow Chemical Co. Recovery of silicon from alloys thereof and from silicon sulfides. 3,396,012, 8-6-68, Cl. 75—62.
Hummel, Donald G., and F. W. Swamer, to E. I. du Pont de Nemours and Co. Process for the preparation of hexafluoropropene. 3,397,248, 8-13-68, Cl. 260—653.5.
Hummel, Friedrich, and R. Bauer, to Gulton Industries, Inc. Self-regulating heating element. 3,412,358, 11-19-68, Cl. 338—7.
Hummel, Gail. Truck body. 3,399,794, 9-3-68, Cl. 214—394.
Hummel, Louis E., to Nalco Chemical Co. Diamine salts useful for inhibiting the corrosion in return steam condensate lines. 3,378,581, 4-16-68, Cl. 260—501.17.
Hummel, Wiley M., to General Electric Co. Methods of terminating electrical devices. 3,395,452, 8-6-68, Cl. 29—621.
Hummert, Rudolf W., to Falcon Tool Co., Inc. Cutter assemblage having four selectively usable single lip cutters. 3,383,766, 5-21-68, Cl. 30—164.9.
Humpage, William D.: *See*—
Hoel, Hans, and Humpage. 3,379,934.
Humpage, William D., and S P. Sabberwal, to The English Electric Co. Ltd. Electrical protective relay employing phase angle comparators. 3,378,728, 4-16-68, Cl. 317—36.
Humpherys, Bernarr H. Pulse chopper. 3,376,432, 4-2-68. Cl. 307—240.
Humpherys, Bernarr H., to United States of America, Navy. Pulse width discriminator. 3,379,981, 4-23-68, Cl. 328—112.
Humphlett, Wilbert J., to Eastman Kodak Co. Silver halide emulsions containing hydroxy carboxylic acid derivatives as fog inhibitors. 3,396,028, 8-6-68, Cl. 96—109.
Humphrey, Alfred H., to General Gas Light Co. Track for motorcycle. 3,412,821, 11-26-68, Cl. 180—5.
Humphrey, Arthur E., and R. L. Raymond, to Sun Oil Co. Production of carboxylic acids by microbiological oxidation of hydrocarbons. 3,419,469. 12-31-68, Cl. 195—28.
Humphrey, Bingham J., I. Zelitch, and P. J. C. Kuiper. Method of closing plant stomata with alkenyl succinic acids. 3,399,990. 9-3-68, Cl. 71—113.
Humphrey, David H. Filing mechanism. 3,389,944, 6-25-68, Cl. 312—193.
Humphrey, John H., H. F. Scheirer, and L. W. Cheslak, to Apsco Products. Tape embossing apparatus with tape visible proximate the embossing means. 3,372,787, 3-12-68, Cl. 197—6.7.
Humphrey, Leslie A.: *See*—
Hayward, Henry M. 3,410,051.
Humphrey, Marvin E., to United States of America, Navy. Digital phase lock clock. 3,418,637, 12-24-68, Cl. 340—172.5.
Humphrey, Robert B.: *See*—
Aweida, Jesse I., Humphrey, Orlando, and George. 3,393,878.
Humphrey, Robert B., to International Business Machines Corp. Source error correction for relatively moving signals. 3,414,880, 12-3-68, Cl. 340—146.1.
Humphrey, Samuel A., to United States of America, Navy. Minelaying submarine. 3,368,510, 2-13-68, Cl. 114—16.
Humphrey Thompson Enterprises Ltd.: *See*—
Garrett, Kenneth J. 3,411,562.
Humphrey, Walter J., to Kelly-Moore Paint Co., Inc. Sprocket gear clutch assembly. 3,370,681, 2-27-68, Cl. 192—66.
Humphreys, Charles D. Reversible belt and buckle having stretch character. 3,369,278, 2-20-68, Cl. 24—163.
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Meyer, Paul, and Humphreys. 3,371,783.
Humphreys & Glawgow Ltd.: *See*—
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Humphreys, John, to Babcock & Wilcox Ltd. Steam and water separator. 3,396,513, 8-13-68, Cl. 55—201.
Humphreys, Keith W., B. P. Stark, and R. F. Webb, to Ciba Ltd. Esters containing epoxide groups, their production and their uses. 3,405,100, 10-8-68, Cl. 260—78.4.
Humphreys, Thomas G., Jr. Apparatus including variable frequency indicating means for locating and tracing conductive structures. 3,418,572, 12-24-68, Cl. 324—67.
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Humphries, Douglas N., O. J. Nelson, and W. Hamelink, to American Seating Co. Revolving transportation seat. 3,394,964, 7-30-68, Cl. 297—240.
Humphries, John R., to Gulf General Atomic Inc. Irradiation apparatus. 3,378,448, 4-16-68, Cl. 176—15.
Humphriss, Deryck. Subjective sight-testing equipment. 3,416,856, 12-17-68, Cl. 351—17.
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Stahly, Frederick A., and Humphriss. 3,419,420.
Humston, E. L., Co., Inc.: *See*—
Roch, Gerald V. 3,410,161.
Hunckler, Paul J., and G. M. Keefe, to Hunckler Products, Inc. Expansion plug and installation means and method. 3,414,158, 12-3-68, Cl. 220—24.5.
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Hunckler, Paul J., and Keefe. 3,414,158.
Hund, Franz, to Farbenfabriken Bayer Aktiengesellschaft. Process for the preparation of γ-FeOOH. 3,382,174, 5-7-68, Cl. 252—62.57.
Hund, Franz, and W. Abeck, to Farbenfabriken Bayer Aktiengesellschaft. Two stage process for making ferromagnetic modified chromium dioxide. 3,371,043, 2-27-68, Cl. 252—62.51.
Hundenborn, Peter, and K. Kutzke, to Leybold Holding AG. Vacuum pump adsorbent filter apparatus. 3,400,884, 9-10-68, Cl. 230—206.
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Hundhausen, Robert J. Decorative wear-resistant panel. 3,389,041, 6-18-68, Cl. 161—37.
Hundley, Clarence L., Jr., deceased, by Virginia J. Hundley, executrix, A. P. McCue, R. E. Ross, and J. Wilding, to Intermountain Research & Development Corp. Process of underground salt recovery. 3,405,974, 10-15-68, Cl. 299—4.
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Hundt, Donald D.: *See*—
Davis, Everett R., Merrill, and Hundt. 3,369,568.
Hune, Ronald G.: *See*—
Palmer, Thomas W., and Hune. 3,383,948.
Hung, Han-Min, to Forbro Design Corp. Input regulated power supplies. 3,373,337, 3-12-68, Cl. 321—16.
Hung, Han-Min, to Forbro Design Corp. Alternating current line regulator. 3,373,345, 3-12-68, Cl. 323—45.
Hung, Han-Min, to Forbro Design Corp. Input regulated power supplies. 3,383,579, 5-14-68, Cl. 321—11.
Hunger, Herbert F., N. J. Sanfilippo, and J. E. Wynn, to United States of America, Army. Electrochemical cell. 3,416,963, 12-17-68, Cl. 136—6.
Hunger, Richard H., to Beloit Corporation. Log grapple with gripper means. 3,371,952, 3-5-68, Cl. 294—88.
Hunger, Walter. Axle-actuating device. 3,366,399, 1-30-68, Cl. 280—104.5.
Hungerford, Max, to American Machine & Foundry Co. Differential and axle assembly for tractor. 3,362,257, 1-9-68, Cl. 74—701.
Hungerford, Max, to American Machine & Foundry Co. Power take-off for tractor. 3,404,572, 10-8-68, Cl. 74—15.84.

Hunington, Morgan G., to Waterdrink, Inc. Method and apparatus for mounting membrane filters on tubular supports without laterally stressing the active surface. 3,396,103, 8–6–68, Cl. 210—23.

Hunkeler, Ernst J., to The Gleason Works. Power drive for machine tool. 3,381,577, 5–7–68, Cl. 90—6.

Hunkeler, Ronald E.: *See*—
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Hunkins, John E. Reinforcing band for containers. 3,385,499, 5–28–68, Cl. 229—5.7.

Hunkins, Stanley H., G. W. Hernan, and P. W. Beresin, to Ultronic Systems Corp. Shift register controlled market ticker information display. 3,416,133, 12–10–68, Cl. 344—154.

Hunley, William H. Variable buoyancy messenger buoy. 3,374,494, 3–26–68, Cl. 9—8.

Hunley, William H., and J. R. Annibale, to United States of America, Navy. Docking cradle. 3,407,769, 10–29–68, Cl. 114—49.

Hunnicutt, Cecil C., to Instrument Research, Inc. Accessory for surgical retractor. 3,364,919, 1–23–68, Cl. 128—20.

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Hunstiger, Francis, to Harris-Intertype Corp. Liquid developing system. 3,392,708, 7–16–68, Cl. 118—637.

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Hunt, Charles J. Film developing apparatus. 3,412,667, 11–26–68, Cl. 95—93.

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Hunt, Elton B., and R. L. McGalliard, to Pan American Petroleum Corp. Recovery of free sulfur from hydrogen sulfide-containing gas. 3,393,050, 7–16–68, Cl. 23—225.

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Ferguson, Kenneth F. 3,374,775.
Gibble, Walter P. 3,406,079.
Gibble, Walter P. 3,406,080.
Simmons, Raymond O., Reid, Blankenship, and Morgan. 3,394,014.
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Rainger, Peter, and Hunt. 3,411,096.

Hunt, George R. Powered slide rule assembly. 3,406,900, 10–22–68, Cl. 235—70.

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Hunt, Heman D., to E. I. du Pont de Nemours and Co. High contrast direct positive by using active cations in silver halide solvent. 3,418,124, 12–24–68, Cl. 96—64.

Hunt, James A., and H. C. Reinhardt. Control device for automating sequential machine operation. 3,375,755, 4–2–68, Cl. 91—1.

Hunt, James P., to White Avionics Corp. Rotating light conductor for instrument reading. 3,390,274, 6–25–68, Cl. 250—231.

Hunt, Joe B. and N. E., to J. B. and N. E. Hunt, and J. and H. Douglas, and J. C. Robinson. Fluorescent tube cleaner. 3,365,740, 1–30–68, Cl. 15—210.

Hunt, Joe B. and N. E., to J. and H. Douglas, and J. C. Robinson. Fluorescent fixture cleaning device. 3,380,099, 4–30–68, Cl. 15—210.

Hunt, John E., and M. R. Fiore, to The Alumiline Corp. Sliding door construction and means for storing same. 3,397,487, 8–20–68, Cl. 49—130.

Hunt, John M., to General Precision Systems Inc. Flight simulator. 3,363,331, 1–16–68, Cl. 35—12.

Hunt, John M., to General Precision Systems Inc. Apparatus to furnish instantaneous vehicle position in terms of latitude and longitude coordinates. 3,364,343, 1–16–68, Cl. 235—150.271.

Hunt, John M., J. Kaufmann, and H. R. Dell, to General Precision Systems Inc. Linear interpolater. 3,412,240, 11–19–68, Cl. 235—164.

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Stewart, Iain G. H., and Hunt. 3,419,193.

Hunt, Nina E.: *See*—
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Hunt, Joe B. and N. E. 3,380,099.

Hunt Oil Co.: *See*—
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Hunt, Rowland D., to Hovercraft Development Ltd. Vehicles for travelling over a surface and equipped with inflatable cushion retaining walls. 3,363,717, 1–16–68, Cl. 180—128.

Hunt, Rowland D., to Hovercraft Development Ltd. Gas-cushion vehicles. 3,399,644, 9–3–68, Cl. 114—67.

Hunt, Rowland D., and A. R. Tripp, to Hovercraft Development Ltd. Gas-cushion vehicles with flexible skirts. 3,397,753, 8–20–68, Cl. 180—127.

Hunt, Russell A., Jr.: *See*—
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Walker, Donald C., and Hunt. 3,407,804.

Hunt, Seymour. Battery powered cigarette lighter. 3,419,704, 12–31–68, Cl. 219—268.

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Hunt, Thomas, to The Distillers Co. Ltd. Water dilutable salts of addition copolymers of (1) an acid, (2) an ether, (3) a carboxyl-free monomer and (4) a drying oil acid or adduct thereof. 3,404,110, 10–1–68, Cl. 260—23.5.

Hunt, Walter G., to Anheuser-Busch, Inc. Mono- or di-substituted cyanuric chloride reacted with starch and the products thereof. 3,403,146, 9–24–68, Cl. 260—233.3.

Hunt, William R., E. V. See, and M. J. Roalsvig, to The Boeing Co. Clutch mechanism for dual-input, single-output control system. 3,369,638, 2–20–68, Cl. 192—38.

Hunter, Allen B. Pulp screens. 3,394,809, 7–30–68, Cl. 209—275.

Hunter, Austin R., to Kelco Co. Aerated food products and method. 3,365,305, 1–23–68, Cl. 99—139.

Hunter, Byron A., and F. X. O'Shea, to Uniroyal, Inc. Petroleum based lubricant containing a bisphenol stabilizer. 3,388,064, 6–11–68, Cl. 252—42.

Hunter, Byron A., and B. Von Schmeling, to Uniroyal, Inc. Method for rendering earthy material impervious to water and the products thereof. 3,411,939, 11–19–68, Cl. 117—62.1.

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Hunter, Edward A., and J. B. Gardiner, to Esso Research and Engineering Co. Solubilizing high energy propellant polymers. 3,379,589, 4–23–68, Cl. 149—109.

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Hunter, Edward M., to Hazeltine Research, Inc. Paper counter. 3,365,569, 1–23–68, Cl. 235—92.

Hunter, Edwin J., to Toro Mfg. Corp. Fertilizer dispenser for sprinkler systems. 3,367,353, 2–6–68, Cl. 137—101.31.

Hunter, Edwin J., to Toro Mfg. Corp. Engine starter. 3,381,677, 5–7–68, Cl. 123—185.

Hunter, Frank B., Jr., to North American Aviation, Inc. Rotating heat exchanger. 3,363,676, 1–16–68, Cl. 165—86.

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Hunter, Irvin W. Electric sequential combination mechanism. 3,407,346, 10–22–68, Cl. 318—446.

Hunter, Jack C., to Black, Sivalls & Bryson, Inc. Conduit for pneumatically conveying plastic particulate material. 3,380,783, 4–30–68, Cl. 302—64.

Hunter, James H., to The Upjohn Co. 1-arabinofuranosyl-3-hydrocarbylcytosine and process. 3,376,283, 4–2–68, Cl. 260—211.5.

Hunter, James H., to The Upjohn Co. Process of treating herpes simplex with 1-D-arabinofuranosylcytosine. 3,397,268, 8–13–68, Cl. 424—180.

Hunter, Joseph L., to Engelhard Minerals & Chemicals Corp. Method for dispersing clay. 4,310,399, 11–12–68, Cl. 209—5.

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Hunter, Meredith A., to International Business Machines Corp. Method and apparatus for electroplating rollable objects. 3,386,895, 6–4–68, Cl. 204—23.
Hunter, Nathaniel. Removable vehicle body. 3,390,913, 7–2–68, Cl. 296—10.
Hunter, Patrick L., to North Electric Co. Three phase inverter circuit having three stage ring counter and power inverters with ferro-resonant wave shaping circuits. 3,401,326, 9–10–68, Cl. 321—5.
Hunter, Percy G., L. V. Chandler, C. B. Hunter, and M. D. Murray, to Fyne Machinery & Engineering Ltd. Vibrators. 3,394,923, 7–30–68, Cl. 259—1.
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Huntjens, Franciscus J., to N.V. Polychemi AKU-GE. Stabilized poly (2,6-dimethyl-1,4-phenylene)-ether. 3,388,095, 6–11–68, Cl. 260—45.8.
Huntley, Eric J., to James Archdale and Co. Ltd. Indexing mechanism. 3,412,633, 11–26–68, Cl. 74—821.
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Huppmann, Fritz H. L. Apparatus for the continuous fermentation and curing of beer. 3,407,722, 10–29–68, Cl. 99—277.1.
Hurbis, Charles J., Ford Motor Co. Regenerator drive. 3,418,862, 12–31–68, Cl. 74—229.
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Hurd, Billy G., to Mobil Oil Corp. Oil recovery process with surface-active agents formed in situ by injection of gases. 3,398,791, 8–27–68, Cl. 166—9.
Hurd, Harold R. Swivel rack for wire reels. 3,411,735, 11–19–68, Cl. 242—129.62.
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Hureau, Jacques, to Societe Generale Alimentaire GASA. Apparatus for the production of profiled pieces showing a lacunar or reticulated structure. 3,381,337, 5–7–68, Cl. 18—12.
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Huret, Roger H. and J. A. Translation movement control device. 3,416,387, 12–17–68, Cl. 74—473.
Hurford, Winslow L., to Radio Corp. of America. Television circuit for non-additively combining a pair of video signals. 3,371,160, 2–27–68, Cl. 178—7.1.
Hurkamp, Alan C., and R. J. Pellar, to Sanders Associates, Inc. Capacitive loads and circuits for providing pulsed operation thereof. 3,394,284, 7–23–68, Cl. 315—12.
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Dills, Raymond L., and Hurko. 3,364,912.
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Hurko, Bohdan, to General Electric Co. Flush and top mounted built-in cooktop. 3,412,727, 11–26–68, Cl. 126—211.
Hurko, Bohdan, and R. L. Dills, to General Electric Co. Electric baking oven with a front heating element. 3,410,987, 11–12–68, Cl. 219—397.
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Hurlburt, Joseph C., to Sperry Rand Corp. Cutter bar latch. 3,407,578, 10–29–68, Cl. 56—25.
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Hurle, Donald T. J., and J. B. Mullin, to Minister of Aviation, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Production of crystalline material. 3,378,409, 4–16–68, Cl. 148—1.6.
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Angell, Charles H., Decken, and Fischer. 3,391,877.
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Hurley, Daniel J., R. W. Rosenthal, and R. C. Williamson, to Gulf Research & Development Co. Alkylation of benzene. 3,392,206, 7–9–68, Cl. 260—671.
Hurley, Daniel J., R. W. Rosenthal, and R. C. Williamson, to Gulf Research & Development Co. Chlorination of normal paraffins in the presence of benzene and alkylation of the benzene. 3,418,388, 12–24–68, Cl. 260—671.
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Hurley, Edward, Jr., and D. W. Hall, to Marathon Oil Co. Preparation of polyenes. 3,377,405, 4–9–68, Cl. 260—681.
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Hurley, Forrest R., M. Tecotzky, and M. C. Vanik. Uranium oxide sols. 3,375,203, 3–26–68, Cl. 252—301.1.
Hurley, Frederick A., to Elliott & Evans, Inc. Relay computer circuits. 3,377,517, 4–9–68, Cl. 317—140.
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Hobbins, James F. 3,406,588.
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Hurst, James N. Ionic wind generators. 3,361,337, 1–2–68, Cl. 230—1.
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Hurst, Robert N., and L. V. Hedlund, to Radio Corp. of America. Phase and frequency correction system. 3,409,736, 11–5–68, Cl. 178—6.6.
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Hurtig, Carl R., to Damon Engineering, Inc. Variable frequency voltage controlled crystal oscillator. 3,382,463, 5–7–68, Cl. 332—26.
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Hurvitz, Hyman. Double channel spectrum analyzer. 3,364,426, 1–16–68, Cl. 324—77.
Hurvitz, Hyman. Heart massage unit. 3,374,783, 3–26–68, Cl. 128—51.
Hurvitz, Hyman, to D. H. Baldwin Co. Electronic percussion instrument having interposed rhythmic patterns each with its own tone color. 3,378,625, 4–16–68, Cl. 84—1.28.
Hurvitz, Hyman. Flow detectors. 3,386,287, 6–4–68, Cl. 73—194.
Hurvitz, Hyman. Random directivity loudspeaker. 3,388,218, 6–11–68, Cl. 179—1.
Hurvitz, Hyman, to D. H. Baldwin Co. Preference circuit. 3,395,242, 7–30–68, Cl. 84—1.19.
Hurvitz, Hyman. Means to eliminate redundant information. 3,405,238, 10–8–68, Cl. 179—100.2.
Hurwitz, Alexander. Control device for vehicle power steering mechanism. 3,414,073, 12–3–68, Cl. 180—79.2.
Hurwitz, Henry, Jr., to General Electric Co. Scanned laser beam device. 3,408,593, 10–29–68, Cl. 331—94.5.
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Husen, Robert A., to Ford Motor Co. Double wall seal for articulated joints. 3,381,987, 5–7–68, Cl. 287—90.
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Husher, John D., and P. M. Kisinko, to Westinghouse Electric Corp. Method of forming a semiconductor integrated circuit that includes a fast switching transistor. 3,380,153, 4–30–68, Cl. 29—577.
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Hussey, Robert R., to The Ashtabula Bow Socket Co. Steering post. 3,385,615, 5–28–68, Cl. 287—54.1.
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Hussmann, Peter, to Uta-Patentverwaltungsgesellschaft m.b.H. Process of dehydrating food and heat-sensitive products. 3,415,665, 12–10–68, Cl. 99—199.
Husted, David W., to Baia Corp. Reel spindle. 3,409,244, 11–5–68, Cl. 242—68.3.
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Huston, Alexander E., to United Kingdom Atomic Energy Authority. Camera tube deflection system for providing beam shutter action. 3,378,721, 4–16–68, Cl. 315—30.
Huston, Alfred B., to American Sterilizer Co. Autoclave shell construction. 3,407,027, 10–22–68, Cl. 21—91.
Huston, Alfred B., to American Sterilizer Co. Sterilizer door. 3,407,028, 10–22–68, Cl. 21—91.
Huston, Alfred B., R. F. Les, and A. Lodge, to American Sterilizer Co. Sterilizer and powder-operated door therefor. 3,385,655, 5–28–68, Cl. 21—91.
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Hutcheson, Ralph L., to Union Carbide Corp. Process for growing high perfection crystals. 3,367,748, 2-6-68, Cl. 23—301.
Hutchings, Edward G., to Babcock and Wilcox, Ltd. Vapour generator for ship propulsion unit. 3,364,904, 1-23-68, Cl. 122—480.
Hutchins, Alma A. Quick-change rotary tool. 3,376,675, 4-9-68, Cl. 51—376.
Hutchins, Alma A. Resilient cushion structure. 3,396,963, 8-13-68, Cl. 267—1.
Hutchins, Hugh A. Muffler construction. 3,374,857, 3-26-68, Cl. 181—58.
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Hutchinson, Elmer R. ½ to Elmer D. Dudek. Conduit saw. 3,371,415, 3-5-68, Cl. 30—90.3.
Hutchinson, Jesse B.: *See*—
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Hutchinson, Thomas K. Applicator including vibratory dispenser with charger. 3,411,479, 11-19-68, Cl. 118—7.
Hutchinson, Thomas K. Mold press and carriage. 3,416,592, 12-17-68, Cl. 164—210.
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Reed, Dale H., Dunlap, Hutchinson, McCallum, and Pritchett. 3,394,256.
Hutchinson, Walter F., G. G. Koss, and L. E. Wickstrum, to The Bunker-Ramo Corp. Assembly tool. 3,391,464, 7-9-68, Cl. 33—174.
Hutchinson, Walter F., G. G. Koss, and L. E. Wickstrum, to The Bunker-Ramo Corp. Tool useful for bending conductive strips around terminals. 3,393,437, 7-23-68, Cl. 29—203.
Hutchinson, William Y., and R. E. Vanderhoff, to Continental Scale Corp. Weighing scale. 3,369,621, 2-20-68, Cl. 177—257.
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Huthsing, Charles K., Jr. Nozzle assembly for fire extinguishers. 3,378,207, 4-16-68, Cl. 239—583.
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Hutson, Thomas, Jr., to Phillips Petroleum Co. Olefin production. 3,402,216, 9-17-68, Cl. 260—683.2.
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Hutson, Thomas, Jr., and A. D. Hilliday, to Phillips Petroleum Co. Purification of alkylates and production of primary haloalkanes. 3,383,430, 5-14-68, Cl. 260—674.
Hutson, Thomas, Jr., and A. D. Holiday, to Phillips Petroleum Co. Photochemical halogenation of hydrocarbons. 3,402,114, 9-17-68, Cl. 204—163.
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Dow, Richard, and Hutter. 3,372,640.
Hutterer, Martin, to Cummings-Landau Laundry Machinery Co., Inc. Automatic unloading washing machine. 3,417,583, 12-24-68, Cl. 68—210.
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Hux, Hans, and W. Frick, to Aktiengesellschaft fur Feinmechanik vormals Jetter & Scheerer. Surgical bone plating appliance. 3,400,711, 9-10-68, Cl. 128—92.
Huxley, Charles W., and G. A. N. Jennings, to Sparkbrook Developments Ltd. Apparatus for washing vehicles. 3,412,413, 11-26-68, Cl. 15—21.
Huxster, Robert G., and W. S. Katz, to United States of America, Army. Temperature compensated digital timer for precisely controlling triggering of fuze. 3,378,703, 4-16-68, Cl. 307—293.
Huyben, Cornelis J. M.: *See*—
Breedveld, Marinus P., and Huyben. 3,408,583.
Huyck Corp.: *See*—
Beaumont, Ralph H., Christie, Okrepkie, and Wicker. 3,399,111.
Clark, Raymond C. 3,406,464.
Fekete, Eugene Z. 3,392,079.
Hintermaier, John C. 3,383,839.
Wicker, Dan B. 3,368,933.
Huyge, John R. Adjustable driver's seat for commercial vehicles. 3,362,746, 1-9-68, Cl. 297—313.
Huyghe, Jean: *See*—
Barbu, Bernard, and Huyghe. 3,400,754.
Huynh, Chanh: *See*—
Martel, Jacques, and Huynh. 3,398,160.
Martel, Jacques, Huynh, and Nomine. 3,387,003.
Martel, Jacques, Toromanoff, and Huynh. 3,396,188.

Huysmans, Cornelis P., to Lever Bros Co. Drying process. 3,419,062, 12–31–68, Cl. 159—47.

Hvam, Hjalmar. Heel binding for a ski. 3,361,435, 1–2–68, Cl. 280—11.35.

Hwa, Jesse C. H.: *See*—
Remes, Nathaniel L., and Hwa. 3,386,958.

Hwa, Jesse C. H., to Stauffer Chemical Co. Trithiocarbonation of polyvinyl chloride. 3,380,973, 4–30–68, Cl. 260—79.5.

Hwa, Jesse C. H., to Rohm & Haas Co. Powdered water-insoluble polymers dispersible in aqueous media and methods of making them. 3,409,578, 11–5–68, Cl. 260—29.6.

Hwang, Yu-Tang, W. J. Sandner, and W. A. Krewer, to Union Oil Co. of California. Process for the production of higher alkanones from lower alkanones. 3,379,766, 4–23–68, Cl. 260—593.

Hyatt, Asher A., to Monsanto Research Corp. N-arylthiocarbamoylamic acids. 3,373,191, 3–12–68, Cl. 260—516.

Hyatt, Asher A., to Monsanto Research Corp. Trialkyl nitroso-substituted aromatic quaternary ammonium halides. 3,390,178, 6–25–68, Cl. 260—567.6.

Hyatt, Floyd A., to Evans Products Co. Freight bracing device. 3,402,680, 9–24–68, Cl. 105—369.

Hyatt, Floyd A., to Evans Products Co. Freight bracing device. 3,411,459, 11–19–68, Cl. 105—369.

Hybarger, Kenneth C.: *See*—
Erdman, William C., Howard, and Hybarger. 3,367,356.

Hybl, Josep: *See*—
Ripka, Josef, and Hybl. 3,399,523.

Hycalog, Inc.: *See*—
Scott, Paul J. 3,376,938.

Hyche, Kenneth W.: *See*—
Brunson, Marion O., and Hyche. 3,418,202.

Hycon Mfg. Co.: *See*—
Hettich, Leopold W. 3,365,252.
Maldarelli, Lawrence V. 3,362,504.
Maldarelli, Lawrence V. 3,413,903.

Hyde, A. P. Stanley, and J. E. Pasek, to General Motors Corp. Fluid flow control mechanism. 3,392,523, 7–16–68, Cl. 60—30.

Hyde, David J., to Dowty Technical Developments Ltd. Hydraulic apparatus. 3,372,545, 3–12–68, Cl. 60—53.

Hyde, Elmer A. Attachment for floor cleaning machine. 3,375,540, 4–2–68, Cl. 15—320.

Hyde, Gene A., and M. M. Boudakian, to Olin Mathieson Chemical Corp. Chlorine pentafluoride process. 3,388,970, 6–18–68, Cl. 23—205.

Hyde, Harold W., and R. Van Volkenburgh, to Copolymer Rubber & Chemical Corp. Novel catalyst and process for preparing acyclic polyolefins. 3,407,243, 10–22–68, Cl. 260—677.

Hyde, James F., to Dow Corning Corp. Storable silicone composition. 3,377,306, 4–9–68, Cl. 260—29.2.

Hyde Park Electronics: *See*—
Breidenbach, Victor S. 3,417,327.

Hyde, Robert W., to Pryde, Inc. Faucet. 3,410,487, 11–12–68, Cl. 239—26.

Hyde, Thomas J.: *See*—
Garrison, William E., and Hyde. 3,361,697.

Hyden, Seymour: *See*—
Wilbert, Godfrey, and Hyden. 3,364,225.

Hyden, Seymour, and G. Wilbert, to Nepera Chemical Co., Inc. Amino esters of (2,3 or 4) pyridyl carbamic acid. 3,376,307, 4–2–68, Cl. 260—294.3.

Hydrahone Equipment Division of John Mohr & Sons: *See*—
Jahnke, Donald. 3,401,499.

Hydranautics: *See*—
Chambers, Henry B., and Tellefson. 3,373,971.

Hydra-Power Corp.: *See*—
Paleschuck, Maurice. 3,402,710.

Hydrasearch Co., Inc.: *See*—
Doerfler, Roger E. 3,365,243.
Doerfler, Roger E. 3,373,766.
Waldron, Alton I. 3,361,205.

Hydraslip, Inc.: *See*—
Snider, George P. 3,385,456.

Hydraulic-Drive A.G.: *See*—
Thoma, Oswald H. 3,386,389.

Hydraulic Unit Specialties Co.: *See*—
Vilter, Thomas R. 3,402,828.

Hydraulica: *See*—
Blenaime, Daniel L. C. M. 3,375,756.

Hydraulik G.m.b.H.: *See*—
Jetschmann, Werner, and Richter-Reichheim. 3,408,849.
Kohnen, Franz J. 3,392,567.

Hydrawerk Aktiengesellschaft: *See*—
Seiff, Werner. 3,412,636.

Hydril Co.: *See*—
Knox, Granville S. 3,368,618.

Hydro-Air Engineering, Inc.: *See*—
Hollomon, Frank A., and Pizer. 3,371,921.
Moehlenpah, Walter G. 3,362,322.
Moehlenpah, Walter G. 3,389,528.
Moehlenpah, Walter G. 3,417,651.
Moehlenpah, Walter G., and Bechtel. 3,362,277.
Moehlenpah, Walter G., and Pallme. 3,379,354.

Hydrocarbon Research, Inc.: *See*—
Alpert, Seymour B., Wolk, and Chervenak. 3,412,010.
Chervenak, Michael C. 3,363,992.
Chervenak, Michael C., and Schuman. 3,418,234.
Cimler, Emil, and Van Baush. 3,375,673.
Engle, Theodore M. 3,398,085.

Hydrocarbon Research, Inc.: *See*—Continued
Keith, Percival C., and Chervenak. 3,414,505.
Schuman, Seymour C. 3,368,965.
Schuman, Seymour C., and Wolk. 3,363,009.
Stotler, Harold H., and Boyum. 3,414,480.
Volk, William. 3,383,200.
Volk, William, and Johnson. 3,414,402.

Hydroconic Ltd.: *See*—
Clark, Ronald, and Corlett. 3,412,703.

Hydro-Craft Inc.: *See*—
Walker, William R. 3,397,431.
Walker, William R. 3,414,220.

Hydro-Jet Services, Inc.: *See*—
Fly, Anderson B., and McDearman. 3,371,715.

Hydro-Kinetics: *See*—
Raymond, Robert E. 3,384,029.

Hydro-Line Mfg. Co.: *See*—
Bosi, Joseph 1. 3,419,247.

Hydr-O-Matic Pump Co.: *See*—
Conery, William J. 3,394,656.

Hydromation Engineering Co.: *See*—
Hirs, Gene. 3,403,098.
Hirs, Gene, and A. C. Schouw. 3,415,485.
Schouw, Arthur C. 3,406,825.
Schouw, Arthur C., and Brown. 3,399,134.

Hydromecanique et Frottement: *See*—
Caubet, Jacques J. 3,398,443.

Hydronautics, Inc.: *See*—
Preiser, Herman S. 3,408,280.
Slager, John J., and Webster. 3,397,664.

Hydro-Services, Inc.: *See*—
Hinrichs, Jack F. 3,375,980.

Hydro-Space Corp.: *See*—
Murnane, Edward L. 3,390,409.

Hydro-Test, Inc.: *See*—
Sjoberg, Robert E., Girala, Ryan, and Rosa. 3,396,575.

Hy-Dynamic Co., The: *See*—
Jones, Edwin L. 3,386,775.

Hylnk, Roy: *See*—
Bigelow, James H., Hart, Hylnk, Quaal, Snowdon, and Swinehart. 3,368,172.

Hyland, James W., Jr., to Owens-Illinois, Inc. Method and apparatus for producing containers of tubular foam laminates. 3,399,095, 8–27–68, Cl. 156—79.

Hyland, John F. Semi-conductor junction magnetic tape playback head. 3,373,247, 3–12–68, Cl. 179—100.2.

Hyland Laboratories: *See*—
Morse, Philip. 3,362,884.

Hyland, Robert E.: *See*—
Rom, Frank E., Lietzke, and Hyland. 3,378,455.

Hyland, William A., to Deere & Co. Straw walkers for grain drills. 3,394,668, 7–30–68, Cl. 111—85.

Hylbert, Thomas J., and J. E. Clark, to Diamond Power Specialty Corp. Wall box seal assembly. 3,385,605, 5–28–68, Cl. 277—70.

Hyler, John H.: *See*—
Eaton, Lyle E., Hoerr, Hyler, and McGlade. 3,376,831.

Hyltin, Tom M.: *See*—
Cooke, Harry F., Hyltin, and Vincent. 3,417,393.
Thomas, Philip R., and Hyltin. 3,416,042.

Hyltin, Tom M., to Texas Instruments Inc. Modular integrated electronics radar. 3,386,092, 5–28–68, Cl. 343—5.

Hyma, John H.: *See*—
Whitlow, Eugene P., and Hyma. 3,367,310.

Hyman, Edward, to Edward Hyman Co. Watch pocket construction. 3,409,912, 11–12–68, Cl. 2—253.

Hyman, Edward, Co.: *See*—
Hyman, Edward. 3,409,912.

Hyman, Le Roy J. Antiseptic composition of 9-aminoacridine hydrochloride and benzalkonium hydrochloride. 3,399,264, 8–27–68, Cl. 424—257.

Hymatic Engineering Co. Ltd., The: *See*—
Campbell, David N. 3,391,546.
Campbell, David N. 3,400,757.
Mayhury, Alan B. 3,401,533.

Hymel, Moise J. Ditching machine. 3,369,311, 2–20–68, Cl. 37—98.

Hynd, William C., to Pilkington Bros. Ltd. Floating refractory draw bar. 3,397,976, 8–20–68, Cl. 65—344.

Hynes, Frank R., and E. J. Lavander, to Xerox Corp. Microfiche positioning apparatus. 3,409,361, 11–5–68, Cl. 355—42.

Hynes, John L., Jr.: *See*—
Carski, Theodore J., and Hynes. 3,394,846.

Hynes, Joseph H.: *See*—
Haeber, John A., Miller, Hynes, and Hanes. 3,361,199.

Hynson, Phillip E.: *See*—
Mazurek, Robert C., and Hynson. 3,372,002.

Hyosaka, Alfred M., to Speed-O-Print Business Machines Corp. Sheet separating device for photocopying machines. 3,386,730, 6–4–68, Cl. 271—64.

Hyosaka, Alfred M., to Speed-O-Print Business Machines Corp. Photocopy machines with liquid reservoir elevator. 3,399,615, 9–3–68, Cl. 95—89.

Hypro, Inc.: *See*—
Cook, Ernest E. 3,402,672.
Cook, Ernest E., and Pareja. 3,413,929.

Hy-Production, Inc.: *See*—
Kneebusch, Carl W. 3,413,737.

Hyre, John E., and F. G. Willeboordse, to Union Carbide Corp. Stabilization of polyoxyalkylene compounds. 3,888,169, 6–11–68, Cl. 260—611.5.

Hysinger, David M., and F. A. Lindahl, to The Wheelabrator Corp. Baghouse construction. 3,372,534, 3–12–68, Cl. 55—341.

Hyster Co.: *See*—
Harbke, Harland C., and Kronholm. 3,412,659.
Harris, Donald A., and Olson. 3,376,061.
Kronholm, Donald D. 3,416,419.

Hysteresis Motor Research, Inc.: *See*—
Jensen, Helmar O. 3,365,795.

Hyter, William H.: *See*—
Sink, Glenn T., and Hyter. 3,411,958.

Hyun, Kyung H., to The English Electric Co. Ltd. Multi-plate ionisation chamber with gamma-compensation and guard-ring electrodes. 3,385,988, 5–28–68, Cl. 313—61.

Hyvarinen, Wayne E., to Westinghouse Electric Corp. Exciter field control for dynamoelectric machines. 3,389,326, 6–18–68, Cl. 322—28.

IBA-Musshake & Co.: *See*—
Hoffman, Horst, and Musshake. 3,387,650.

I.B.X., Inc.: *See*—
Wright, Jerry. 3,364,627.

I.C.I./Organics/Inc.: *See*—
Perrino, Albert C. 3,401,006.

IFE-Gesellschaft fur Maschinen-und Apparatebau Dipl. Ing. Sagl & Co.: *See*—
Kuschel, Konrad. 3,400,316.

IGLA, Narodni Podnik: *See*—
Supitar, Petr. 3,403,647.

IIT Research Institute: *See*—
Blum, Seymour, Mountvala, and McKinley. 3,388,001.
Camras, Marvin. 3 382,825.
Camras, Marvin. 3,382,826.
Camras, Marvin. 3,416,949.
Kaye, Brian H. 3,394,803.

ILG Industries Inc.: *See*—
Ball, Donald, and Gurney. 3,415,178.

IMC Magnetics Corp.: *See*—
Friese, Karl E. 3,378,192.

I.N.M. Industries Corp.: *See*—
Schonberger, Milton. 3,379,063.
Schonberger, Milton. 3,389,500.

IRC, Inc.: *See*—
Barrington, Jonathan. 3,414,864.
Diehl, Donald S. 3,387,192.
Diehl, Donald S. 3,409,809.
Huang, Cornelius Y. D. 3,390,452.
Huang, Cornelius Y. D., and Merz. 3,394,087.
Larkin, Joseph F. 3,401,807.
Maskalick, Nicholas J. 3,392,056.
Reed, Carl G. 3,384,322.
Warner, Philip D. 3,364,399.
Winkler, James W., and Pugh. 3,361,937.
Wood, George W. 3,388,365.
Wood, George W. 3,404,361.
Woods, John G., and Wood. 3,412,362.
Woods, John G., and Wood. 3,413,590.

I.S.I. Mfg., Inc.: *See*—
Blatt, Leland F., and Williams. 3,371,925.

I-T-E Circuit Breaker Co.: *See*—
Brumfield, John C. 3,366,846.
Brumfield, John C., and Robins. 3,377,574.
Carter, William A. 3,363,144.
Carter, William A. 3,408,468.
Carter, William A., and Jensen. 3,416,034.
Cataldo, John B., and Kussy. 3,398,329.
Cataldo, John B., Kussy, Farnsworth, Scheich, and Powell. 3,363,147.
Chamberlin, John R., Jr. 3,366,844.
Cryctko, Earl E. Re. 26,465.
Davis, Russell S. 3,402,273.
Di Marco, Bernard. 3,417,358.
Dortort, Isadore K. 3,388,335.
Field, Everett J. 3,382,411.
Foti, Arem. 3,388,225.
Fredricksen, Einar H., and Pokorny. 3,402,377.
Garzon, Ruben. 3,397,350.
Grimm, Keith H. 3,382,410.
Gryctko, Carl E. 3,369,202.
Gryctko, Carl E. 3,382,334.
Gryctko, Carl E. 3,402,328.
Higgins, Louis W. 3,388,224.
Jensen, Otto. Re. 26,445.
Jensen, Otto. 3,368,052.
Jensen, Otto. 3,402,272.
Kelley, Thomas R. 3,384,758.
Kradel, Fred L. 3,402,351.
Kussy, Frank W. 3,363,070.
Kussy, Frank W. 3,419,755.
Kussy, Frank W., and DiMarco. 3,369,100.
Lipnitz, James W. 3,416,035.
McCloud, James R. 3,398,247.
McCloud, James R., and McConnell. 3,392,249.
McCloud, James R., and McConnell. 3,414,695.
McConnell, Lorne D. 3,361,885.
McCormick, Joseph F. 3,398,344.
Myers, Felix E. 3,372,354.
Myers, Felix E. 3,408,606.
Myers, Felix E. 3,416,108.
Platz, Elwood T. 3,368,050.
Rietz, Earl B., McCloud, Koenn, and Wall. 3,392,248.

I-T-E Circuit Breaker Co.: *See*—Continued
Rodeseike, Sigurd O. 3,377,443.
Shaffer, Howard R. 3,398,325.
Shaffer, Howard R. 3,419,838.
Shaffer, Howard R., and Gryctko. 3,379,843.
Thomas, Robert W., and Platz. 3,382,336.
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ITT Rayonier Inc.: *See*—
Mitchell, Reid L., Murphy, and Allen. 3,409,460.

IVF Verbandsloffmaschinen-Fabrik Schaffhausen: *See*—
Witschi, Fritz, and Bunzli. 3,382,542.

I.W.S. Nominee Co. Ltd.: *See*—
Brown, Thomas D. 3,387,450.

Iaccarino, Carl J.: *See*—
Fitzgerald, William J., Forest, and Iaccarino. 3,374,432.

Iacobovici, Theodor, to Von Roll AG. Method for the combustion of waste materials, particularly refuse. 3,417,716, 12–24–68, Cl. 110—7.

Iacobovici, Theodor, to Von Roll AG. Furnace for the combustion of waste materials, particularly refuse. 3,417,717, 12–24–68, Cl. 110—7.

Iaia, Joseph A. Method for establishing O-ring seal grooves. 3,370,508, 2–27–68, Cl. 90—11.

Iami, Hirosuke: *See*—
Furukawa, Junji, Saegusa, and Imai. 3,361,731.

Iandolo, Joseph A., to United States of America, Navy. Wind tunnel balance. 3,413,604, 11–26–68, Cl. 73—147.

Iannelli, Frank M. Mixer dispensing valve. 3,411,540, 11–19–68, Cl. 137—635.

Iannelli, Salvatore. Tubular gas lamp mounted in housing by encapsulation. 3,395,301, 7–30–68, Cl. 313—25.

Iannicelli, Joseph, to J. M. Huber Corp. Polyurethanes containing amino orgonosilane modified clay. 3,390,120, 6–25–68, Cl. 260—37.

Iannicelli, Joseph, J. B. Whitley, and J. W. Balentine, to J. M. Huber Corp. Chemically treated clays. 3,414,422, 12–3–68, Cl. 106—288.

Ianniello, Joseph W.: *See*—
Bishop, John D., and Ianniello. 3,414,801.

Iannone, Edmund F., H. F. Foust, and W. W. Holder. Container with stirring means. 3,362,692, 1–9–68, Cl. 259—111.

Iannone, Edmund F., and W. W. Holder. Still with support platform. 3,405,939, 10–15–68, Cl. 272—70.1.

Ianuzzi, Joseph N.: *See*—
Bryner, Ernest J., and Ianuzzi. 3,404,370.
Habgood, Robert P., Jr., and Ianuzzi. 3,415,406.

Iasillo, Casper. Brush making machine. 3,365,235, 1–23–68, Cl. 300—11.

Ibata, Joji: *See*—
Ishida, Shinichi, and Ibata. 3,394,108.

Ibbitson, Harold R. Air heating door on a fireplace. 3,368,-545. 2–13–68, Cl. 126—121.

Ibbotson, Arthur, to Imperial Chemical Industries Ltd. Neopentyl-bis-ester of 3,4-dihydro-2H-pyran carboxylic acid. 3,402,183, 9–17–68, Cl. 260—345.8.

Ibbotson, Arthur, and H. J. Twitchett, to Imperial Chemical Industries Ltd. Removing aluminum alkoxides from esters. 3,413,319, 11–26–68, Cl. 260—345.8.

Ibex Motor Truck Corp.: *See*—
Hafer, George E., and Willis. 3,370,384.

Ibigawa Electric Industry Co., Ltd.: *See*—
Ambe, Michio. 3,399,322.
Imai, Shimesu, Kitahama, Kikuchi, Iwata, Yamada, and Mizutani. 3,364,167.

Ichibagase, Hisashi, M. Ichikawa, and S. Nagasaki, to Daiichi Seiyaku Co. Ltd. 4-hydroxy - 7 - amino - 3 - sulfanylamide-coumarin. 3,405,126, 10–8–68, Cl. 260—239.6.

Ichijo, Yasunori, and Y. Nakamura, to Kabushiki Kaisha Hattori Tokeiten. Lens shutter. 3,373,672, 3–19–68, Cl. 95—63.

Ichikawa, Akira: *See*—
Senda, Kazuo, Ichikawa, Ohzeki, Nakajima, Sasaki, Yasui, and Hirose. 3,374,216.

Ichikawa, Masataka: *See*—
Ichibagase, Hisashi, Ichikawa, and Nagasaki. 3,405,128.

Ichikawa, Mitsuji. Conduit and ground wire connected by a metal strap. 3,370,122, 2–20–68, Cl. 174—78.

Ichikawa Seisakusho Co., Ltd.: *See*—
Kodama, Mitsuru. 3,414,930.
Kodama, Mitsuru. 3,414,931.

Ichikawa, Yasushi, Y. Inai, K. Shirode, and T. Ohfuka, to Asahi Kasei Kogyo Kabushiki Kaisha. Process for preparing a solution of acrylonitrile polymers. 3,399,161, 8–27–68, Cl. 260—32.4.

Ichikawa, Yataro, N. Suzuki, and M. Tokashiki, to Teijin Ltd. Process for preparation of high purity terephthalic acid. 3,364,256, 1–16–68, Cl. 260—525.

Ichikawa, Yoshimitsu: *See*—
Yokouchi, Rei, Ichikawa, Hosoi, Aoki, and Takagishi. 3,376,265.

Ichiki, Eiichi: *See*—
Toyoshima, Kiyoshi, Ichiki, Ryu, and Yashima. 3,381,024.
Toyoshima, Kiyoshi, Ryu, Matsui, and Ichiki. 3,402,190.

Ichiki, Eiichi, H. Ryu, and A. Matsui, to Sumitomo Chemical Co., Ltd. Method for producing alkylaluminum compounds. 3,393,217, 7–16–68, Cl. 260—448.

Ichimi, Teruhiko, K. Takahashi, Z. Ozeki, and Y. Shimoyama, to Toyo Boseki Kabushiki Kaisha. Loom stopping apparatus. 3,379,225, 4–23–68, Cl. 139—353.

Ichimori, Masuo, M. Kita, and T. Isikawa. Automatic water-supply control system. 3,406,941, 10–22–68, Cl. 251—129.

Ichinokawa, Hideo: *See*—
Oga, Taijiro, Ichinokawa, Kitabatake, and Ito. 3,362,982.

Icore Industries: *See*—
Gullie, Joe D. 3,370,685.
Giulie, Joe D., and Wilder. 3,387,679.
Wilder, Leslie N. 3,397,779.

Iddings, Lloyd A., to United States of America, Navy. Two axis, nonfloated ball bearing gyroscope. 3,408,874, 11–5–68, Cl. 74—5.

Ide, Gordon M.: *See*—
Garber, John D., Ide, and Meigs. 3,374,051.

Ide, Richard A.: *See*—
Gibson, Robert G., Steigerwald, and Ide. 3,408,637.

Ide, Walter S., and W. H. Nickerson, to Burroughs Wellcome & Co. (U.S.A.) Inc. Method for administering muscle relaxant drug. 3,364,929, 1–23–68, Cl. 128—172.1.

Ide, Whitman D., to Scott & Williams, Inc. Knitted sweaters and methods of making the same. 3,407,632, 10–29–68, Cl. 66—176.

Ideal Aerosmith, Inc.: *See*—
Kallenbach, Donald D. 3,409,271.

Ideal Cement Co.: *See*—
Harris, Harry A. 3,393,905.

Ideal Corp.: *See*—
Schaub, Edwin L. 3,396,439.

Ideal Industries, Inc.: *See*—
Kincaid, Ronald D. 3,377,665.
McDonald, Harrison M. 3,416,227.
Myers, Thomas E. Re. 26,394.
Roberts, Joe T., and Drum. 3,382,543.
Whitehurst, Joe R. 3,371,389.
Whitehurst, Joe R. 3,391,428.
Whitehurst, Joe R. 3,391,431.
Whitehurst, Joe R. 3,401,429.
Whitehurst, Joe R. 3,401,430.
Whitehurst, Joe R. 3,407,446.
Whitehurst, Joe R. 3,409,946.
Whitehurst, Joe R. 3,409,947.
Whitehurst, Joe R. 3,411,189.
Whitehurst, Joe R., and Jones. 3,382,660.

Ideal Security Hardware Corp.: *See*—
Waldo, Russell W. 3,387,320.
Waldo, Russell W. 3,395,556.

Ideal Toy Corp.: *See*—
Cooper, Julius. 3,390,519.
Cooper, Julius. 3,411,786.
Lindsay, Kenneth W. 3,370,855.
Lunzer, Frederic A. 3,367,284.
Moe, Walter. 3,395,920.
Owen, Charles L., Silhavy, and Meresz. 3,389,915.
Suchowski, Bernard. 3,411,790.

Ideas for Auto and Bike Specialties, Inc.: *See*—
Golden, Harry. 3,415,550.

Idees: *See*—
Ramis, Jean. 3,389,833.

Idelson, Albert L., and M. H. Litt, to Allied Chemical Corp. Polymers prepared from 2,4,2'4'-tetraaminodiphenylalkanes. 3,418,261, 12–24–68, Cl. 260—2.

Idemitsu, Hiroshi: *See*—
Iwanaga, Mitsuji, and Idemitsu. 3,414,248.

Idenden, John E., to Esso Research and Engineering Co. Reduction of iron ore. 3,384,474, 5–21–68. Cl. 75—26.

Idex Corp.: *See*—
Helms, Thomas F. 3,363,320.
Helms, Thomas F. 3,399,563.
Helms, Thomas F. 3,418,845.

Iding, Wilhelmus H.: *See*—
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Ingram, Carey. Coring device. 3,373,826, 3–19–68, Cl. 175—5.

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Barrett, Robert D., and Raciunas. 3,403,754.
Barrett, Robert D., and Rohrbacher. 3,403,755.
Bauman, Jack L. 3,387,861.
Beach, Theodore L., Jr. 3,362,597.
Bennett, James F. 3,366,402.
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Brace, Robert S., and Sullivan. 3,376,078.
Bradshaw, Norman F. 3,401,436.
Broad, Charles, Jr. 3,387,435.
Bruce, Robert S. 3,400,788.
Calder, Robert A. C. 3,412,538.
Canning, Michael H. 3,412,822.
Carlson, Ernest C. 3,418,966.
Carlson, Robert L., and Marquardt. 3,370,422.
Cary, Philip E. 3,380,724.
Catuara, Frank R., Moyer, and Richardson. 3,374,626.
Cech, Donald A. 3,374,850.
Chessare, George J., Farwell, and Merriman. 3,365,969.
Clarke, Frederick J. 3,370,729.
Cobb, David A. 3,416,595.
Connor, Donald E., and Llenemann. 3,380,412.
Cupit, Carl, Oliva, Broad, and Gritchen. 3,400,697.
Deli, Jack M. 3,402,974.
Deli, Jack M., and Plomb. 3,376,081.
Dickerson, Devere C., and Bachorski. 3,402,703.
Drayer, T. Gary, and Sutton. 3,383,843.
Drayer, T. Gary, and Vande Wiele. 3,383,842.
Drummond, William D. 3,363,407.
Drummond, William D. 3,412,535.
Drummond, William D. 3,412,536.
Erickson, Vedick A., Henry, and Llenemann. 3,398,865.
Evans, Kenneth. 3,402,955.
Everett, Charles V., and Svereika. 3,381,800.
Fiala, George T., and Pelton. 3,389,796.
Fischer, Raymond C. 3,400,840.
Fischer, Raymond C. 3,412,884.
Fischer, Raymond C. 3,416,611.
Fischer, Raymond C. 3,419,085.
Fischer, Raymond C., Randolph, and Roberson. 3,387,665.
Geiger, Eugene J., and Breen. 3,402,644.
Granryd, Thorvald G. 3,380,547.
Grillot, Homer N. 3,370,875.
Grillot, Homer N. 3,400,959.
Grillot, Homer N. 3,402,956.
Hermiz, Ramiz Y. 3,400,767.
Hoch, Manfried L. 3,380,501.
Hugh, Frederick M., and Williams. 3,374,681.
Isbell, Perry T., and Brace. 3,419,168.
Jennings, Marvin D., and Shader. 3,402,773.
Jennings, Marvin D., and Wesolowski. 3,360,931.
Johnson, Kenneth D., and Carlson. 3,384,138.
Johnson, Kenneth D., and Carlson. 3,404,686.
Johnston, Edward J. 3,402,542.
Johnston, Edward J., and Peacock. 3,397,520.
Johnston, Edward J., and Peacock. 3,402,532.
Johnston, Edward J., and Peacock. 3,402,533.
Johnston, Edward J., Peacock, and Macha. 3,418,795.
Johnston, Lawrence M., Jr. 3,374,870.
Johnston, Lawrence M., Jr., Dickmeyer, Loubier, and Krall. 3,368,427.
Kampert, Keith W. 3,397,893.
Kampert, Keith W., and Houtz. 3,382,772.
Kampert, Keith W., and Houtz. 3,391,614.
Kampert, Keith W., and Houtz. 3,411,809.
Karlsson, Elof K. 3,387,440.
Karlsson, Elof K. 3,397,778.
Karlsson, Elof K. 3,401,700.
Karlsson, Elof K., and Watts. 3,402,540.
Kasper, Roman J. 3,387,436.
Kasper, Roman J. 3,387,446.
Kataoka, David T. 3,392,526.
Keller, Arthur H. 3,401,508.
Keller, Edwin G. 3,372,940.
Kolthoff, C. Paul, Jr. 3,416,624.
Kozlara, Robert P. 3,370,417.
Lech, Richard J., and Ziskal. 3,360,932.
Lepp, Jacob H., and Ayranto. 3,406,914.
Lepp, Jacob H., and Ayranto. 3,419,222.
Lester, William D. 3,402,538.
Link, John D. 3,370,775.
Maat, George J. 3,402,643.
Maddalozzo, Raymond J. 3,398,729.
Maddalozzo, Raymond J. 3,398,730.
Maddalozzo, Raymond J., and Slindee. 3,409,225.
Margolin, William. 3,416,312.
Martensen, Uwe H. 3,400,673.
Martin, Frank M. 3,398,587.
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May, Patrick L., and Majkrzak. 3,387,725.
May, Patrick L., Vidrine, and Beyer. 3,374,729.
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McGrew, Charles B., Jr. 3,390,309.
McMillen, Russell G. 3,418,006.
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Merriman, Paul E. 3,365,968.
Mizenko, John M. 3,400,572.
Morgan, Jerry E. 3,395,930.
Morkoski, James. 3,380,537.
Moyer, Donald W., Rubenstein, and Smith. 3,360,934.
Moyer, Donald W., Swanson, and Lam. 3,395,771.
Murray, Donald A., and Sexton. 3,363,707.
Nelson, Vaughn A. 3,370,602.
Nickla, Louis E. 3,412,532.
Nickla, Louis E., and Majkrzak. 3,400,807.
Olsson, Nils O. 3,387,751.
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Phillips, Carmen S. 3,365,867.
Phillips, Richard E. 3,402,534.
Pool, Stuart D., and Schalble. 3,400,635.
Pool, Stuart D., and Svereika. 2,398,470.
Pool, Stuart D., Svereika, and Thayer. 3,401,512.
Pool, Stuart D., and Zimmerman. 3,415,040.
Quick, Donald J. 3,398,516.
Ralston, William K., and Barfield. 3,403,619.
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Rhoades, Edgar W. 3,398,985.
Rice, Russell E. 3,387,667.
Rickerd, Calvin P. 3,401,513.
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Riley, Robert M. 3,395,690.
Roberson, Raymond F. 3,397,747.
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Roberson, Raymond F., and Storm. 3,402,784.
Robinson, Edward L., Jr. 3,412,533.
Robinson, Mayes R. 3,402,774.
Rowland-Hill, Edward W. 3,402,720.
Ruhl, Charles A. L. 3,386,523.
Ruhl, Charles A. L. 3,387,523.
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Rush, Joseph H., and Marek. 3,412,602.
Salna, Karl. 3,397,752.
Salna, Karl. 3,400,845.
Salna, Karl. 3,411,805.
Salna, Karl, and Baker. 3,419,170.
Salna, Karl, and Granryd. 3,366,260.
Salna, Karl, Mark, and Urman. 3,402,841.
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Segredo, John D. 3,400,524.
Selzer, John. 3,402,539.
Sewelin, Ernest R. 3,380,773.
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Shore, Daniel B. 3,370,513.
Shore, Daniel B. 3,412,756.
Simpson, Forrest L., and Robertson. 3,416,297.
Smelcer, Glen E. 3,417,891.
Smith, Raymond H., Jr. 3,374,842.
Soderling, Lennart A. 3,412,325.
Steingas, Richard R., and Gaul. 3,362,145.
Stong, Jack V. 3,370,409.
Stow, Robin J. W. C. 3,391,767.
Sullivan, Herbert D. 3,400,953.
Swanson, William C. 3,389,556.
Swanson, William C., and Jennings. 3,370,424.
Swanson, William C., Lam, and Moyer. 3,360,933.
Swanson, William C., Moyer, and Asmus. 3,398,531.
Swift, John F. 3,361,158.
Taylor, Forrest C. 3,372,957.
Toth, Louis C., and Johnson. 3,382,013.
Tracy, James T. 3,387,439.
Turnbull, Glen O. 3,361,136.
Turnbull, Glen O. 3,399,790.
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Turillon, Pierre F., Crawford, and Peters. 8,367,773.
Turillon, Pierre P., Crawford, Trapp, and La Que. 3,368,880.
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Crump, James S. 3,384,501.
Hughson, Geoffrey D. 3,416,236.
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McNair, John W., Jr., Jones, Columbo, Moors, Ademino, Jackson, and Morris. 3,365,111.
Moors, Harold B., Schwenk, Crothers, and Ademino. 3,385,260.
Pike, Kenneth L. 3,365,115.
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International Patent Research Corp.: *See*—
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House, Harvey W. 3,392,429.
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Landen, William J. 3,373,892.
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Armstrong, John G. 3,373,389.
Ash, Bernard E. 3,408,804.
Avignon, Michel L., and Lemaire. 3,365,713.
Aye, Wolfgang G. U., Balkow, Hasse, and Rauter. 3,375,424.
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Basset, Jacques P. L., and Bohner. 3,410,962.
Beadle, Anthony C., and Parrish. 3,387,097.
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Brewster, Arthur E. 3,398,289.
Brisbane, Alan D. 3,377,489.
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Dunster, Dave F. T. 3,362,851.
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Ekbergh, Evert O., and Jonsson. 3,406,259.
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Evans, Hugh M. 3,414,807.
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Fleischer, Manfred, and Galaske. 3,417,847.
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Gassmann, Gerhard-Gunter. 3,370,123.
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Gill, Ronald Y. 3,404,050.
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Hörner, Roland. 3,364,309.
Howells, George A., and Hunt. 3,411,137.
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Jespers, Paul G. A., and Chu. 3,404,261.
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Kocher, Klaus. 3,417,342.
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Spicer, Lyndon R. 3,397,373.
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Taysom, Patrick A. 3,360,808.
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Thyssens, Guido M. J. B. 3,381,096.
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Bassett, Raymond C. 3,404,394.
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Cassidy, Francis T., Jr., and Intartaglia. 3,416,140.
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Coles, Donald K. 3,395,306.
Cory, Stanley A. 3,394,295.
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Farnsworth, Philo T. 3,386,883.
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Ishibashi, Masaru, to Toyo Seikan Kabushiki Kaisha (also known as Toyo Seikan Kaisha-Ltd.). Machine for automatically sectioning citrus fruits. 3,415,298, 12–10–68, Cl. 146—3

Ishibashi, Shozo, to United Silver and Cuttery Co. Battery powered gas fueled igniter device. 3,406,001, 10–15–68, Cl. 431—255.

Ishida, Henry J. Combined shipping and display rack. 3,372,-813, 3–12–68, Cl. 211—135.

Ishida, Shinichi: *See*—
Wakasa, Ryoichi, Ishida, and Fukuda. 3,394,102.
Wakasa, Ryoichi, Ishida, and Ohama. 3,394,107.
Wakasa, Ryoichi, Ishida, and Oizumi. 3,387,070.

Ishida, Shinichi, K. Sato, N. Fujita, to Asahi Kasei Kogyo Kabushiki Kaisha. Method for producing high molecular weight polyoxymethylene. 3,376,263, 4–2–68, Cl. 260—67.

Ishida, Shinichi, and C. Oizumi, to Asahi Kasei Kogyo Kabushiki Kaisha. Method for producing 3,6-dioxo-2,5-dimethylpiperazine. 3,384,639, 5–21–68, Cl. 260—268.

Ishida, Shinichi, and J. Ibata, to Asaki Kasei Kogyo Kabushiki Kaisha. Polymer and α-alanine derived from acetaldehyde cyanohydrin and hydrogen cyanide. 3,394,108, 7–23–68, Cl. 260—67.

Ishida, Shinichi, and H. Fukuda, to Asahi Kasei Kogyo Kabushiki Kaisha. Process for producing high molecular weight polyoxymethylene. 3,413,269, 11–26–68, Cl. 260—67.

Ishida, Shuichi, S. Kirihara, and S. Usukura, to Nippon Kayaku Kabushiki Kaisha. β-bromo-ethyl aryl thio-ethers. 3,388,167, 6–11–68, Cl. 260—609.

Ishidate, Takashi, to Nippon Electric Co. Ltd. Storage element location compensation in matrix memories by a delay means. 3,407,392, 10–22–68, Cl. 340—173.

Ishigaki, Eiichi, to Ishigaki Kiko Co., Ltd. Continuous filtration device of the pressure type. 3,375,932, 4–2–68, Cl. 210—390.

Ishigaki Kiko Co., Ltd.: *See*—
Ishigaki, Eiichi. 3,375,932.

Ishiguro, Mitsuei. Gas lighter with a manually operable piezoelectric ignition device. 3,408,153, 10–29—68, Cl. 431—143.

Ishihaia, Akira: *See*—
Nishijima, Toraji, Fukushima, Ishihaia, Wada, Kawada, and Kitagawa. 3,371,133.
Ishihara, Koichiro: *See*—
Obayashi, Kenro, Ishihara, Minagawa, and Noda. 3,392,-122.
Ishihara, Takehiko, K. Hirano, and T. Soga, to Japan Atomic Energy Research Institute. Reprocessing of spent uranium fuel by means of chlorination and fractional absorption by barium chloride. 3,372,998, 3–12–68, Cl. 23—326.
Ishihara, Taketoshi, to Tokyo Kogakukikai Kabushiki Kaisha. Device for ophthalmic instrument for adjusting interpupillary distance and angle of convergence of lens cases. 3,413,-056, 11–26–68, Cl. 351—28.
Ishii, Kiyofumi: *See*—
Fujita, Eiichiro, Ishii, Nakatani, Nakai, and Katagiri. 3,389,000.
Ishii, Masao: *See*—
Higashimura, Einosuke, Ishii, and Ishikawa. 3,417,567.
Terada, Hiroshi, Ishii, Yamada, Tokuda, Nakagawa, and Imaida. 3,372,143.
Ishii, Ryosuke: *See*—
Otsuka, Shinichiro, Ishii, Shiio, and Katsuya. 3,406,095.
Ishii, Ryuichi, and H. Totani, to Nippon Electric Co., Ltd. Automatic answer-back system. 3,397,287, 8–13–68, Cl. 179—2.
Ishikawa, Hisako: *See*—
Ishikawa, Masayuki, Shimamoto, and H. Ishikawa. 3,409,625.
Ishikawa, Masayuki, T. Shimamoto, and H. Ishikawa. (Py)-N-oxides of certain carbamates of 2-pyridine methanol. 3,409,625, 11–5–68, Cl. 260—295.
Ishikawa, Osamu: *See*—
Murakami, Kenkichi, Ishikawa, Shimizu, Imano, and Morimoto. 3,408,693.
Ishikawa, Shoichi, to United Shoe Machinery Corp. Deviated deflection harmonic drive. 3,415,143, 12–10–68, Cl. 74—640.
Ishikawa, Tomio: *See*—
Yoshida, Akinobu, Ishikawa, and Sano. 3,396,655.
Ishikawa, Toshio, to Nippon Denso Kabushiki Kaisha. Speed control device for an automotive vehicle. 3,392,799, 7–16–68, Cl. 180—105.
Ishikawa, Yoshiko. Coin holder. 3,389,710, 6–25–68, Cl. 133—6.
Ishikawa, Yoshio: *See*—
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Ishikawajima-Harima Jukogyo Kabushiki Kaisha: *See*—
Akita, Yoshio, Fujii, and Sasagawa. 3,415,063.
Akita, Yoshio, Maeda, and Yada. 3,404,500.
Itoh, Isamu, and Imamura. 3,381,650.
Mori, Tsunezo. 3,405,820.
Moriyama, Kazuhiro, and Hori. 3,367,367.
Nakamura, Harumitsu, Tejima, and Someya. 3,363,732.
Shibata, Kiyoshi. 3,395,721.
Tsunazawa, Mamoru. 3,396,690.
Tsutsumi, Teruo, and Furuya. 3,384,361.
Tsutsumi, Teruo, Yamada, Nagai, and Wada. 3,417,982.
Ishima, Hitoshi, to United States of America, Army. Precision control arrangement. 3,404,489, 10–8–68, Cl. 51—58.
Ishimaru, Joyu: *See*—
Okazaki, Narukazu, and Ishimaru. 3,415,083.
Ishimaru, Kenzo, to Beckman Inatruments, Inc. Continuous flow cuvette. 3,361,026, 1–2–68, Cl. 88—14.
Ishimatsu, Heihachi, to High Polymer Chemical Industries, Ltd. Synthetic resin fastener. 3,372,442, 3–12–68, Cl. 24—201.
Ishimoto, Katsumi: *See*—
Tanigaki, Takashi, Keiichi and Katsumi Ishimoto, and Iizuka. 3,419,700.
Ishimoto, Keiichi: *See*—
Tanigaki, Takashi, Keiichi and Katsumi Ishimoto, and Iizuka. 3,419,700.
Ishioka, Shigeo. Stepless change speed transmission with adjustable throw crank mechanism. 3,364,759, 1–23–68, Cl. 74—117.
Ishioka, Shigeo. Spring torque converter. 3,364,794, 1–23–68, Cl. 74—751.
Ishizaka, Mitsuo: *See*—
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Ishizaki, Kan, to Shingu Shoko, Ltd. Push rod device for opening and closing an electric contact. 3,363,078, 1–9–68, Cl. 200—168.
Ishizaki, Yoshihiro, to Kogyokaihatsu Kenkyusho. Valve of minimum thermal leak for high temperature and low temperature. 3,366,135, 1–30–68, Cl. 137—375.
Ishizawa, Shingo: *See*—
Miloshiba, Tomoyoshi, Hori, Ishizawa, and Suzuki. 3,399,-125.
Ishizuka, Hiroshi. High temperature high pressure apparatus. 3,365,751, 1–30–68, Cl. 18—16.5.
Ishizuka, Kazuo, to Mitsu-bishi Pencil Co., Ltd. Method of making ball pens. 3,389,456, 6–25–68, Cl. 29—441.
Ishizuka, Mizuro, to Mitsubishi Jukogyo Kabushiki Kaisha. Damper construction for damping torsional vibrations of a revolving body. 3,410,369, 11–12–68, Cl. 188—1.
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Ishler, Norman H., and A. J. Knipper, to Tronchemica Research Inc. Process for producing compressed, dehydrated celiular foods. 3,385,715, 5–28–68, Cl. 99—204.
Ishler, William E., and L. J. Smialek, to General Electric Co. Mercury metal halide discharge lamp having iodine present in stoichiometric proportions with respect to the reactive metals. 3,384,775, 5–21–68, Cl. 313—225.
Ishman, Neal H., to Melpar, Inc. Wide band voltage controlled oscillator. 3,400,338, 9–3–68, Cl. 331—117.
Isikawa, Tadayuki: *See*—
Ichimori, Masuo, Kita, and Isikawa. 3,406,941.
Isler, Eduard W., to A. O. Smith Corp. Electrical contactor having main circuit control contacts and auxiliary control contacts interconnected to be actuated from a common electromagnetic actuator. 3,388,353, 6–11–68, Cl. 335—132.
Isley, Loren D.: *See*—
Hayner, Paul F., Henderson, and Isley. 3,384,295.
Isley, Ralph E., and K. E. Blower, to The Standard Oil Co. Manufacture of shaped synthetic polymer articles. 3,380,-949, 4–30–68, Cl. 260—30.4.
Isley, Walter F.: *See*—
Basiletti, John C., and Isley. 3,417,738.
Isobe, Kosaku, H. Iinuma, Y. Tanaka, K. Soya, and H. Yamagish, to Kokusai Denki Kabushiki Kaisha (also known as Kokusai Electric Co., Ltd.). Long wavelength (far infrared) radiation heating device. 3,413,441, 11–26–68, Cl. 219—390.
Isobe, Toyosaku, and T. Miyakawa, to Fujitsu Ltd. Unidirectional frequency multiplier comprising non-linear reactance and resistance. 3,407,350, 10–22–68, Cl. 321—69.
Isoda, Haruo, to Yamaoka, Tadao. Automatic noncompression starting device. 3,399,659, 9–3–68, Cl. 123—182.
Isoda Kenichi: *See*—
Inose, Fumiyuki, Isoda, Numakura, and Nishimura. 3,405,335.
Isoda, Kenichi, and N. Ono, to Kabushiki Kaisha Hitachi Seisakusho. Automatic self-balancing remote measuring system of an impedance responsive process variable. 3,418,571, 12–24–68, Cl. 324—61.
Isogawa, Masataka: *See*—
Yoshino, Masaaki, and Isogawa. 3,367,995.
Isokorkwerk, Firma: *See*—
Duerst, Felix. 3,391,906.
Isolated Beef Protein Supplements, Inc.: *See*—
Kross, Robert D. 3,386,806.
Isoleringsaktiebolaget WMB: *See*—
Norrhede, Lars S. R., and Linde. 3,383,441.
Isomaa, Erik. Electric steam bath stove. 3,400,248, 9–3–68, Cl. 219—367.
Isomet Corp.: *See*—
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Isomura, Kiyosige, to Toyoda Automatic Loom Works, Ltd. Spinning apparatus utilizing airstream. 3,411,283, 11–19–68, Cl. 57—58.89.
Isomura, Soichi L., ½ to J. J. Dinan. Underwater gas exchange unit. 3,377,777, 4–16–68, Cl. 55—42.
Isotopes, Inc.: *See*—
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Debye, Anne L., and Bjarngard. 3,419,720.
Isotronics, Inc.: *See*—
Scherer, Jeremy D., and Rudolph. 3,370,874.
Israel, The Government of, Director-General, the Director of Finance Division and the Accountant of the Ministry of Development: *See*—
Ellis, John D., and Nicholls. 3,378,335.
Israel, Milton, to Angelica Uniform Co. Glove construction. 3,366,973, 2–6–68, Cl. 2—169.
Israel Mining Industries-Institute for Research and Development: *See*—
Blumberg, Ruth, Baniel, and Melzer. 3,393,044.
Blumberg, Ruth, Lavie, and Raniel. 3,383,167.
Israel, State of, Prime Minister's Office: *See*—
Bronicki, Lucien. 3,409,782.
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Zilkha, Albert, and Avny. 3,366,614.
Israel, The State of, Ministry of Defence: *See*—
Agnon, Shmuel E. 3,402,530.
Israel, William D., W. B. McCartney, and E. O. Uhrig, to United States of America, Navy. High rise thyratron pulse supply. 3,387,177, 6–4–68, Cl. 315—209.
Israely, Ilan, to Clary Corp. Digital information transferring system. 3,381,275, 4–30–68, Cl. 340—172.5.
Isreeli, Jack: *See*—
Rosin, Seymour, and Isreeli. 3,406,018.
Isreeli, Jack, and R. H. Heimann, to Technicon Corp. Apparatus for the infiltration of tissue. 3,411,481, 11–19–68, Cl. 118—500.
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Issenmann, Olivier M. B,. to Geoservices. Measurement of the volume of gases contained in a predetermined quantity of any material and especially geological samples such as drilling muds, waters and rocks. 3,418,841, 12–31–68, Cl. 73—19.
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Haddadin, Makhluf J., and Issidorides. 3,398,141.
Isted, Ronald F.: *See*—
Bilson, Frank L., and Isted. 3,396,660.
Istituto de Angeli S.p.A.: *See*—
Casadio, Silvano. 3,385,852.
Istituto Chemioteropico Italiana S.p.A.: *See*—
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Isuchiya, Yoshio: *See*—
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Itagaki, Yusuke, and T. Ando, to Sanyo Electric Co., Ltd. Horizontal deflection device. 3,403,290, 9–24–68, Cl. 315—27.

Itakura, Tatsuo: *See*—
Nishiba, Yoshiharu, Fujimori, and Itakura. 3,385,779.

Itami Machine Works: *See*—
Morikawa, Takashi, Moriyama, Yagita, and Ikutani. 3,394,539.

Itazaki, Hiroshi: *See*—
Nagata, Wataru, Tomita, and Itazaki. 3,400,123.

Itazawa, Toshio. Pitch controlling apparatus of a propeller of ships. 3,395,762, 8–6–68, Cl. 170—160.32.

Itek Corp.: *See*—
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Aschenbrenner, Claus M. 3,362,287.
Aschenbrenner, Claus M., and Watson. 3,364,830.
Berman, Elliot, and Ekman. 3,390,989.
Day, Kenneth H., and Sanford. 3,405,627.
Ekman, Carl F. W., and Norbury. 3,409,429.
Ellason, Raymond E. 3,376,775.
Fairbanks, Henry N. 3,390,620.
Fairbanks, Henry N., and Madigan. 3,375,752.
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Fleisher, Marvin B., and Hixon. 3,405,626.
Gold, Robert M. 3,380,823.
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Heller, Stanley, Anderson, and Berlin. 3,416,154.
Heller, Stanley, Anderson, and Berlin. 3,417,269.
Marchisio, Robert G., and Hennessy. 3,415,157.
McCarthy, Joseph V. 3,417,484.
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Itel Corp.: *See*—
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Iten, Henry C., and D. H. Gieskieng; said Gieskieng, assor. to Allis-Chalmers Mfg. Co. Rotary kiln thermocouple collector ring and brush assembly. 3,396,581, 8–13–68, Cl. 73—351.

Ito, Akio: *See*—
Moriyama, Hisao, and Ito. 3,366,437.

Ito, Akira: *See*—
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Ito, Hiroyuki: *See*—
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Ito, Ken: *See*—
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Ito, Kenichi: *See*—
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Ito, Masatomo: *See*—
Oga, Taijiro, Ichinokawa, Kitabatake, and Ito. 3,362,982.
Oga, Taijiro, Kitabatake, Tanabe, Ito, Aozuka, and Ikeda. 3,395,173.
Sennewald, Kurt, Vogt, Erpenback, and Ito. 3,362,983.

Ito, Michio. Musical instrument construction. 3,418,877, 12–31–68, Cl. 84—414.

Ito, Minoru: *See*—
Samejima Hirotoshi, Teranishi, and Ito. 3,382,233.

Ito, Reijiro, to Matsushita Electric Industrial Co., Ltd. and Kokusai Display Kogyo Kabushiki Kaisha. Device for imparting horizontally oscillatory rotating movement to articles. 3,377,578, 49–68, Cl. 335—229.

Ito, Reijiro, to Matsushita Electric Industrial Co., Ltd., and Kokusai Display Kogyo Kabushiki Kaisha. Device for imparting horizontally oscillatory rotating movement to articles. 3,380,656, 4–30–68, Cl. 335—229.

Ito, Reijiro, to Matsushita Electric Industrial Co., Ltd., and Kokusai Display Kogyo Kabushiki Kaisha. 3,383,528, 5–14–68, Cl. 310—32.

Ito, Seiji. Static electricity conducting shoes. 3,406,316, 10–15–68, Cl. 317—2.

Ito, Shinji: *See*—
Watanbe, Hiroshi, Kato, Ito, Murozono, and Nakakaki. 3,413,274.

Ito, Shinya, K. Kanno, and R. Nakagawa, to Daito Chemical Industry Co., Ltd. Azo dyes derived from 4-amino benzothiazole- or benzothiadiazole groups. 3,388,114, 6–11–68, Cl. 260—157.

Ito, Sukehiro: *See*—
Morita, Masanke, Hukami, Miyagi, and Ito. 3,370,128.

Ito, Sukehiro, and Y. Ueno, to Nippon Electric Co. Radio receiver utilizing IF, local and noise signals for providing negative feedback voltages to control gain and frequency. 3,406,345, 10–15–68, Cl. 325—346.

Ito, Teiichiro: *See*—
Nishio, Motohiro, Ito, Ishii, and Ogawa. 3,391,184.

Ito, Teiji, M. Sato, H. Nakasugi, and U. Teiuo, to Yawata Iron & Steel Co., Ltd. Weldable high tensile strength steel capable of giving weld heat-affected zone having high toughness and joint strength. 3,403,060, 9–24–68, Cl. 148—36.

Ito, Toshio, and T. Ohkura, to Mitsubishi Denki Kabushiki Kaisha. Multiple-break vacuum-type circuit interrupters. 3,405,245, 10–8–68, Cl. 200—144.

Ito, Tsunehiko, S. Nagaoka, and Y. Ochiai. Hose coupling for reinforced flexible hose. 3,396,994, 8–13–68, Cl. 285—248.

Ito, Wallace H., and J. E. Tushie, to Honeywell, Inc. Vehicle trajectory control apparatus. 3,362,658, 1–9–68, Cl. 244—3.20.

Ito, Yoshikazu, S. Wakamatsu, and Y. Shimokawa, to Toyo Rayon Kabushiki Kaisha. Method for preparing oximinomethyl benzoic acid. 3,386,903, 6–4–68, Cl. 204—158.

Ito, Yukiaki, to Mitsubishi Jukogyo Kabushiki. Method for rebuilding the hull of a ship to increase its tonnage. 3,397,663, 8–20–68, Cl. 114—77.

Ito, Yukio, to Agency of Industrial Science and Technology. Process for the production of ammonium sulfamate. 3,404,949, 10–8–68, Cl. 23—114.

Itoga, Masaaki: *See*—
Yumoto, Hirosuke, Harada, and Itoga. 3,396,216.

Itoh, Isamu, and K. Imamura, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Amphibious vehicle having the driving and floating screw rotors on its both sides. 3,381,650, 5–7–68, Cl. 115—1.

Itoh, Shinya, Y. Kubota, and M. Ilzuka, to Toyo Rayon Kabushiki Kaisha. Cyclohexenothiazole azo dyes dyeing of metallized polyolefins. 3,371,981, 3–5–68, Cl. 8—4.

Itoh, Shinya, K. Kanno, K. Wakamatsu, and R. Nakagawa, to Toyo Rayon Kabushiki Kaisha. Dyeing metal-modified polyolefins with O'-(alkyl- and arylaminocarbonyl-) and O'-cyanoazopyrazolone dyes. 3,403,966, 10–1–68, Cl. 8—4.

Itoi, Kazuo, to Kurashiki Rayon Co. Ltd. Method of manufacturing organotin hydrides. 3,379,747, 4–23–68, Cl. 260—429.7.

Itoi, Kazuo, to Kurashiki Rayon Co., Ltd. Organotinoxy substituted polysiloxanes. 3,384,648, 5–21–68, Cl. 260—429.7.

Iudice, Eugene C.: *See*—
Babcock, Donald E., Iudice, and Reed. 3,361,557.

Iuliu, Popescu. Method of optical printing especially for disanamorphosation and anamorphosation of films. 3,364,814, 1–23–68, Cl. 88—24.

Ivan, Emil: *See*—
Cocce, Guy J., and Ivan. 3,364,556.

Ivanchich, Peter G., to Ford Motor Co. Multiple ratio power transmission system with a manually operated synchronizer. 3,362,244, 1–9–68, Cl. 74—339.

Ivanchich, Peter G., to Ford Motor Co. Multiple speed ratio, synchronized torque transmission mechanism. 3,386,302, 6–4–68, Cl. 74—339.

Ivanchich, Peter G., to Ford Motor Co. Manually controlled multiple ratio power transmission mechanism for use with an automotive vehicle driveline. 3,399,580, 9–3–68, Cl. 74—331.

Ivanhoe Research Corp.: *See*—
Rovin, Herman. 3,411,772.
Schiffmacher, Fred J., and Roman. 3,376,838.
Szentkuti, Charles, and Nolles. 3,377,967.

Ivanisin, Michael J.: *See*—
Miller, Earle C., Rivers, and Ivanisin. 3,373,618.

Ivanko, Michael F., to The Singer Co. Bobbin thread replenishment mechanism for lockstitch sewing machines. 3,386,400, 6–4–68, Cl. 112—181.

Ivanov, Anatoly I.: *See*—
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Ivanov, Arkady V.: *See*—
Gitis, Semen S., and Ivanov. 3,398,194.

Ivanov, Igor N.: *See*—
Arutjunov, Konstantin B., Iordan, Shonin, Komarov, Ivanov, Konoplev, and Silin. 3,381,531.

Ivanov, Konstantin P., I. I. Kirichinsky, and A. V. Butuzov, to Nauchno-Issledovatelsky Institute Tekhnologii Avtomobilnoi Promyshlennosti. Device for producing bevel gear teeth by rolling. 3,377,829, 4–16–68, Cl. 72—86.

Ivanov, Petr D.: *See*—
Roosinov, Mikhail M., Ivanov, and Novik. 3,400,994.

Ivanovic, Nicholas P., to Albert Thwing Instrument Co., Inc. Micro creep-testing. 3,390,573, 7–2–68, Cl. 73—95.

Ivanovsky Nauchno-Issledovatelsky Institut Khlopchatobumazhnoi promyshlennosti: *See*—
Ilin, Igor N., and Aristov. 3,372,437.

Iversen, Lorenz, to Mesta Machine Co. In-feed mechanism. 3,400,496, 9–10–68, Cl. 51—165.

Iverson, Bjarne J.: *See*—
Simpson, Justin, and Iverson. 3,376,689.

Iverson, Garn K.: *See*—
Brady, William J., and Iverson. 3,393,318.

Iverson, Marlowe L.: *See*—
Recht, Howard L., and Iverson. 3,419,436.

Iverson, Marlowe W., to Honeywell, Inc. Control apparatus. 3,408,024, 10–29–68, Cl. 244—77.

Ives, Clement D.: *See*—
Breckenridge, Robert M., and Ives. 3,361,118.

Ives, David C., and J. Lovkay, to United Aircraft Corp. Engine performance indicator and collector. 3,375,711, 4–2–68, Cl. 73—117.2.

Ives, H. B., Co., The: *See*—
Coopersmith, Leo. 3,389,854.

Ives, Kenneth D.: *See*—
Rastogi, Vijay, and Ives. 3,381,526.

Ives, Robert S., to M. Alden. Electrolytic recording paper containing a sequestering agent. 3,409,516, 11–5–68, Cl. 204—2.

Ivey, Curtis L.: *See*—
Carter, Woodward C., II, and Ivey. 3,411,055.

Ivey, Kenneth H.: *See*—
Miller, John L., Jr., and Ivey. 3,390,045.

Ivy, Edward E.: *See*—
Smith, Herbert G., and Ivy. 3,400,202.
Ivy, Edward E., to Pennsalt Chemicals Corp. Process for controlling insects with phenylthiocrotonate. 3,378,436, 4–16–68, Cl. 167—30.
Ivy, Robert C., and M. P. Woodward, Jr., to General Electric Co. Precision power supply for high currents or voltages. 3,384,812, 5–21–68, Cl. 323—4.
Iwai, Issei, E. Ohki, and T. Miyadera, to Sankyo Co., Ltd. Process for preparing pyridine derivatives. 3,382,240, 5–7–68, Cl. 260—240.
Iwai, Rinzo, Wasai, and Tatsuta, to Fujitsu Ltd. Single capstan tape feeding mechanism. 3,366,300, 1–30–68, Cl. 226—50.
Iwai, Shinji: *See*—
Iwai, Shinji, Yoshimi, Mita, and Shiode. 3,375,302.
Iwai, Shinji, N. Yoshimi, S. Mita, and C. Shiode, ⅓ each to S. Iwai, Fudo Kagaku Kogyo Kabushiki Kaisha, and Chisso Corp. Thermoplastic blend of ABS resin and amorphous, linear polypropylene and process for making same. 3,375,302. 3–26–68, Cl. 260—876.
Iwai, Takao: *See*—
Matsumoto, Katumi, Iwai, and Fujioka. 3,396,128.
Iwai, Yasuaki. Tufted cord for rugs. 3,391,595, 7–9–68, Cl. 87—7.
Iwai, Yasuaki. Cord for piled rug. 3,405,598. 10–15–68, Cl. 87—7.
Iwai, Yasuaki. Tufted cord for rugs. 3,405,673, 10–15–68, Cl. 112—412.
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Jackson, Albert E., to The British Iron and Steel Research Association. Method for improving the adhesion of electro-deposited metal coatings. 3,395,088, 7–30–68, Cl. 204—181.

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Jackson, Donald R., deceased, by R. H. Jackson, special administratrix, to Wyandotte Chemicals Corp. Polyhalogenous polyurethane products. 3,419,532, 12–31–68. Cl. 260—77.5.

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Jackson, Harold E., ½ to Petrol Injection Ltd. Fuel injection systems. 3,395,683, 8–6–68, Cl. 123—140.

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Jackson, Robert G., to Conch International Methane Ltd. Sealing means for ground reservoirs. 3,379,012, 4–23–68, Cl. 61—.5.
Jackson, Robert G., to Conch International Methane Ltd. Containers for very cold or very hot liquids. 3,380,613, 4–30–68, Cl. 220—5.
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Jacob, Karlheinz, to Grundig Electro-Mechanische Versuchstalt. Storing device for convoluted tape and the like. 3,389,942, 6–25–68, Cl. 312—20.
Jacob, Keith D., to Brery Industries, Inc. Vibrato and Tremolo system. 3,413,403, 11–26–68, Cl. 84—1.25.
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Jacobey, Olaf, to Vickers-Zimmer Aktiengesellschaft Planung und Bau von Industrieanlagen. Screw conveyor. 3,405,847, 10–15–68, Cl. 222—412.
Jacobi, Arno M., to Walter Jacobi & Sons, Inc. Apparatus for finishing surfaces. 3,374,583, 3–26–68, Cl. 51—141.
Jacobi, Arno M. Swingable kneelers. 3,393,939, 7–23–68, Cl. 297—426.
Jacobi, Edward N., to Briggs & Stratton Corp. Cylinder lock with improved retainer. 3,402,582, 9–24–68, Cl. 70—371.
Jacobi, Edward N., to Briggs & Stratton Corp. Disconnecting side bar lock. 3,410,123, 11–12–68, Cl. 70—364.
Jacobi, Haireddin: *See*—
Kunz, Wilhelm, Jacobi, and Koch. 3,410,901.
Jacobi, Oskar. Coal face support system. 3,392,532, 7–16–68, Cl. 61—45.
Jacobi, Richard, R. Stahl, R. Quenett, J. Achhammer, and E. Merkel, to Deutsche Fafelglas Aktiengesellschaft Detag. Method for sealing spacing members in a double or multiple glass pane assembly to the margins of the glass panes. 3,402,084, 9–17–68, Cl. 156—109.
Jacobi, Walter & Sons, Inc.: *See*—
Jacobi, Arno M. 3,374,583.
Jacobowsky, Armin: *See*—
Rechmeier, Gerhard, and Jacobowsky. 3,409,511.
Jacobs, Alfred: *See*—
Plumat, Emile, and Jacobs. 3,381,078.
Jacobs, Arthur F., to Prudential Lighting Corp. Unitary double-detent connector for lighting fixtures. 3,371,900, 3–5–68, Cl. 248—343.
Jacobs, Arthur W. Lawn sprinkler. 3,385,525, 5–28–68, Cl. 239—394.
Jacobs, Barry B.: *See*—
Sapoff, Meyer, Jacobs, and Froemel. 3,381,253.
Jacobs Bros. Textile Co., Inc.: *See*—
Jacobs, Paul J. 3,404,618.
Jacobs, Carl M., to Tryco Mfg. Co., Inc. Hitch means for farm implement. 3,378,279, 4–16–68, Cl. 280—461.
Jacobs, Charles D. Golf ball retrieving club. 3,374,027. 3–19–68, Cl. 294—19.
Jacobs, Daniel A., and J. B. Duke, to Engelhard Minerals & Chemicals Corp. Grinding method. 3,398,008, 8–20–68, Cl. 106—288.
Jacobs Engineering Co.: *See*—
Jacobs, Joseph J., Krugman, and Brooks. 3,371,035.
Jacobs, Harold, R. C. Hofer, and G. E. Morris, to United States of America, Army. Millimeter wave imaging system. 3,403,399, 9–24–68, Cl. 343—17.
Jacobs, Henri J. A. M., F. H. De Jong, and A. Vlagsma, to North American Philips Co., Inc. SCR ignitron control circuit having means for controlling the SCR as a function of the ignitron anode voltage. 3,412,319, 11–19–68, Cl. 323—24.
Jacobs, Herbert, H. Baron, and E. Winston, said Baron and said Winston assors. to Jacobs Machine Corp. Combined automatic sewing assembly. 3,386,396, 6–4–68, Cl. 112—2.
Jacobs, J. Donovan. Multiple level movable roadway for tunnels. 3,365,895, 1–30–68, Cl. 61—84.
Jacobs, James J., to Triple-A Specialty Co. Automatic battery charger controls. 3,365,645, 1–23–68, Cl. 320—25.
Jacobs, James W.: *See*—
Gaugler, Richard S., Jacobs, and Siegla. 3,375,346.
Jacobs, James W., to General Motors Corp. Rotary compressor with unloading impeller. 3,361,342, 1–2–68, Cl. 230—138.
Jacobs, James W., to General Motors Corp. Hot gas defrosting system. 3,364,693, 1–23–68, Cl. 62—196.
Jacobs, James W., to General Motors Corp. Light responsive motor start control circuit. 3,365,639, 1–23–68, Cl. 318—221.
Jacobs, James W., to General Motors Corp. Defrosting system. 3,370,437, 2–27–68, Cl. 62—160.
Jacobs, James W., to General Motors Corp. Infinite heat switch for an infrared heating unit. 3,374,336, 3–19–68, Cl. 219—452.
Jacobs, James W., to General Motors Corp. Domestic range with variable area cooking regions. 3,407,285, 10–22–68, Cl. 219—456.
Jacobs, James W., to General Motors Corp. Roller drive mechanism for domestic appliance. 3,412,621, 11–26–68, Cl. 74—190.
Jacobs, John, III, to Sonic Engineering Corp. Liquid level responsive device. 3,389,603, 6–25–68, Cl. 73—308.
Jacobs, John, III, to Sonic Engineering Corp. Apparatus for mixing fluids. 3,408,050, 10–29–68, Cl. 259—4.

Jacobs, Joseph J., S. L. Krugman, and J. K. Brooks, to Jacobs Engineering Co. Plant and process for separation of water from aqueous solutions. 3,371,035, 2-27-68, Cl. 210—59.

Jacobs, Joseph N., to McCreary Tire and Rubber Co. Nonskid tire tread. 3,402,751, 9-24-68, Cl. 152—209.

Jacobs, Lewis W., to General Electric Co. Circuit breaker segregation system. 3,404,316, 10-1-68, Cl. 317—119.

Jacobs, Lewis W., J. J. Mrowka, and R. J. Sabatella, to General Electric Co. Panel board contact assembly. 3,404,315, 10-1-68, Cl. 317—119.

Jacobs, Lewis W., and R. J. Sabatella, to General Electric Co. Main circuit breaker assembly for electrical circuit control device panelboards and adapter base therefor. 3,418,536, 12-24-68, Cl. 317—119.

Jacobs Machine Corp.: *See*—
Baron, Herschel. 3,406,962.
Jacobs, Herbert, Baron, and Winston. 3,386,396.

Jacobs Mfg. Co., The: *See*—
Laas, Eugene D. 3,405,699.

Jacobs, Marvin. Device for reproducing sound from a card shaped record. 3,412,483. 11-26-68, Cl. 35—35.

Jacobs, Max L.: *See*—
Atwood, James D., and Jacobs. 3,409,675.

Jacobs, Paul. Cultivator shank release assembly. 3,365,002, 1-23-68, Cl. 172—269.

Jacobs, Paul J., to Jacobs Bros. Textile Co., Inc. Combination heating, ventilating and recirculating system for greenhouses. 3,404,618, 10-8-68, Cl. 98—33.

Jacobs, Philip C., Jr.: *See*—
Kozacka, Frederick J., and Jacobs. 3,386,062.

Jacobs, Philip C., Jr., to The Chase-Shawmut Co. Electric fuse adapted to be conductively connected to a cable. 3,385,939, 5-28-68, Cl. 200—132.

Jacobs, Philip C., Jr., to The Chase-Shawmut Co. Electric fuse having stress-reducing fuse link means. 3,394,333, 7-23-68, Cl. 337—229.

Jacobs, Robert D., to Bausch & Lomb, Inc. Mounting mechanism for zoom magnifier. 3,399,015, 8-27-68, Cl. 350—187.

Jacobs, Robert D., to Bausch & Lomb, Inc. Mechanical mounting for lens system of variable anamorphic eyepiece. 3,410,630. 11-12-68, Cl. 350—181.

Jacobs, Robert J., and G. J. Prager, to Beloit Eastern Corp. Core enveloper. 3,377,032, 4-9-68, Cl. 242—56.

Jacobs, Theodore M. Explosive rivet detonating tool. 3,369,102. 2-13-68, Cl. 219—234.

Jacobs, Willi F.: *See*—
Hulsebos, Jan, and Jacobs. 3,392,693.

Jacobs, William H., and F. W. Kunath, to Jet Spray Cooler, Inc. Portion control and vending mechanism for dispensers. 3,385,413. 5-28-68, Cl. 194—13.

Jacobsen, Carl A.: *See*—
Klausen, Svend E., and Jacobsen. 3,380,595.

Jacobsen, Clas: *See*—
Breitholtz, Bo, and Jacobsen. 3,379,909.

Jacobsen, Clas, and B. Breitholtz, to Allmanna Svenska Elektriska Aktiebolaget. Device for generating a strong electronic beam from a plasma emitting cathode. 3,369,142, 2-13-68, Cl. 313—170.

Jacobsen, Gordon R. Turning vane and rail construction. 3,381,713, 5-7-68, Cl. 138—39.

Jacobsen, Gunter: *See*—
Fernholz, Hans, and Jacobsen. 3,361,805.

Jacobsen, John B., and W. R. Carpenter, to Detrex Chemical Industries, Inc. Sight glass cleaning. 3,398,023, 8-20-68, Cl. 134—22.

Jacobsen, Kjell M., to AB Platmanufaktur. End closure for cylindrical can. 3,386,615, 6-4-68, Cl. 220—67.

Jacobsen, Kjell M., to Platmanufakter, AB. Can for filling with hot goods. 3,400,853, 9-10-68, Cl. 220—66.

Jacobsen Mfg. Co.: *See*—
Kaufman, Vernon R. 3,366,099.
Kaufman Vernon R. 3,416,295.

Jacobsen, Paul W.: *See*—
Weber, Herbert H., and Jacobsen. 3,389,679.

Jacobsen, Paul W., to H. G. Weber and Co. Tensioning and reversal of web without rollers. 3,367,039, 2-6-68, Cl. 34—52.

Jacobsen, Ronald R.: *See*—
Orlando, Anthony W., Jacobsen, Nutter, and Popp. 3,371,882.

Jacobson, Aaron S. Package and signalling device for flash-media. 3,404,997, 10-8-68, Cl. 117—62.

Jacobson, Aaron S. Banding together of articles. 3,414,118, 12-3-68, Cl. 206—16.

Jacobson, Alden H., to The Heald Machine Co. Machine tool. 3,382,739, 5-14-68, Cl. 77—3.

Jacobson, Alden H., B. A. Holmstrom, and H. W. Ostlund, to The Heald Machine Co. Machine tool with tool feed control. 3,401,583, 9-17-68, Cl. 77—3.

Jacobson, Allan I. Mullion device for window. 3,381,431, 5-7-68, Cl. 52—309.

Jacobson, Chester F., to General Electric Co. Battery operated cigarette lighter. 3,393,293, 7-16-68, Cl. 219—268.

Jacobson, Chester F., to General Electric Co. Electrically heated bedcover overtemperature control. 3,396,265, 8-6-68, Cl. 219—212.

Jacobson, Clayton J. Aquatic vehicle. 3,369,518, 2-20-68, Cl. 115—70.

Jacobson, David E., and S. Y. Ek, to Wegematic Corp. Wear reduction additives. 3,397,636, 8-20-68, Cl. 102—38.

Jacobson, David E., and S. Y. Ek, to Wegematic Corp. Wear reduction additives. 3,403,625, 10-1-68, Cl. 102—38.

Jacobson, David E., and S. Y. Ek, to Wegematic Corp. Wear reduction additives. 3,403,626, 10-1-68, Cl. 102—38.

Jacobson, Gordon: *See*—
Kurka, David J., Jacobson, and Whitenack. 3,369,264.

Jacobson, Howard W., to E. I. du Pont de Nemours and Co. Process for coating metal articles employing fluidized bed. 3,405,000, 10-8-68, Cl. 117—107.2.

Jacobson, Howard W., to E. I. du Pont de Nemours and Co. Fluidized bed coating of titanium-chromium alloy. 3,409,459. 11-5-68, Cl. 117—71.

Jacobson, Irvin D. Dip tube hanger. 3,400,951, 9-10-68, Cl. 285—39.

Jacobson, Irving. Monitoring system for remote radio control. 3,363,250, 1-9-68, Cl. 343—225.

Jacobson, Kenneth E., and J. Taylor, to Beckman Instruments, Inc. Door mechanism for centrifuge vacuum chamber. 3,391,862, 7-9-68, Cl. 233—13.

Jacobson, Kurt I., to The Pavelle Corp. Method of shortening the processing time of color photography. 3,372,030, 3-5-68, Cl. 96—55.

Jacobson, Morton J., to Ampex Corp. Magnetic recording light. 3,418,651, 12-24-68, Cl. 340—321.

Jacobson, Norman: *See*—
Henselman, Richard O., and Jacobson. 3,417,010.
Kresge, Edward N., Wagensommer, Jacobson, and Brownawell. 3,389,087.
Takashima, Herbert, Jacobson, and Brownawell. 3,388,067.

Jacobson, Norman, and H. G. Burkard, to Esso Research and Engineering Co. Polyalkylethyleneoxide pour point depressant additive. 3,382,055, 5-7-68, Cl. 44—62.

Jacobson, Norman, and H. Takashima, to Esso Research and Engineering Co. Polymers containing urethane groups as multifunctional V.I. improvers. 3,404,092, 10-1-68, Cl. 252—51.5.

Jacobson, Paul F. Food package for use in electric toasters. 3,361,576, 1-2-68, Cl. 99—171.

Jacobson, Robert S.: *See*—
Black, Stanley H., and Jacobson. 3,396,340.

Jacobson, Sidney H. Foot cover. 3,373,512. 3-19-68, Cl. 36—7.1.

Jacobson, Walter E., to Revere Corp. of America. Temperature responsive device. 3,386,282, 6-4-68, Cl. 73—88.5.

Jacobson, William P.: *See*—
Ward, Frank A., and Jacobson. 3,371,848.

Jacobson, William P., to Anderson Bros. Mfg. Co. Reclosable package. 3,398,877, 8-27-68, Cl. 229—45.

Jacobus, Dwight W., J. E. Sterling, and D. G. McDowell, to General Electric Co. Hydraulic icemaker. 3,375,678, 4-2-68, Cl. 62—353.

Jacobus, William W.: *See*—
Sawyer, Kenneth W., and Jacobus. 3,367,403.

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Jacoby, Charles E., to SI Handling Systems, Inc. Low profile conveyor. 3,389,662, 6-25-68, Cl. 104—172.

Jacoby, Charles E., to SI Handling Systems, Inc. Tow truck conveyor system. 3,390,641, 7-2-68, Cl. 104—172.

Jacoby, Charles H., and F. V. Whelply, to International Salt Co. Anti-freezing additives. 3,378,493, 4-16-68, Cl. 252—70.

Jacoby, Charles H., and F. V. Whelply, to International Salt Co. Anti-freezing additives. 3,382,175, 5-7-68, Cl. 252—70.

Jacoby, Charles H., and F. V. Whelply, to International Salt Co. Anti-freezing additives. 3,383,317, 5-14-68, Cl. 252—70.

Jacoby, Charles H., and K. F. Peyfuss, to International Salt Co. Mining and refining soluble minerals. 3,386,768, 6-4-68, Cl. 299—4.

Jacoby, Charles H., and F. V. Whelply, to International Salt Co. Anti-freezing additives. 3,396,113, 8-6-68, Cl. 252—70.

Jacoby, George V., to Radio Corp. of America. Magnetic recording and reproducing of digital information. 3,414,894, 12-3-68, Cl. 340—174.1.

Jacoby, George V., and J. D. Gleitman, to Radio Corp. of America. Readback circuits for information storage systems. 3,405,403, 10-8-68, Cl. 340—174.1.

Jacoby, Gerald B.: *See*—
Baynes, Gene P., and Jacoby. 3,388,775.

Jacoby, Gerald B., and F. W. Brooks, to General Motors Corp. Ball and ramp type master cylinder. 3,374,628, 3-26-68, Cl. 60—54.6.

Jacoby, Hans, to Werkzeugmaschinenfabrik Gildemeister & Co. Multiple-spindle machine tool. 3,365,990, 1-30-68, Cl. 82—29.

Jacoby, Hans, to Werkzeugmaschinenfabrik Gildemeister und Co. Akt-Ges. Machine tool. 3,385,145, 5-28-68, Cl. 82—29.

Jacoby, Hans, to Werkzeugmaschinenfabrik Gildemeister & Comp., Akt.-Ges. Driving arrangements for multiple-spindle machine tools. 3,404,583, 10-8-68, Cl. 74—665.

Jacoby, Herbert: *See*—
Bruns, William H., Diamond, and Jacoby. 3,414,088.

Jacoby, John H. Method for making a heat dissipator. 3,399,444, 9-3-68, Cl. 29—157.3.

Jacoby, Marvin: *See*—
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Schonfeld, Arnold, and Jacoby. 3,370,790.

Jacoby-Tarbox Corp.: *See*—
Tarbox, George S. 3,405,261.
Tarbox, George S. 3,407,662.

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Felsenthal, Martin, Quinn, and Jacocks. 3,376,924.
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Jacquart, Raymond, and R. D. Haze, to Sud-Aviation Societé Nationale de Constructions Aeronautiques. Variable-geometry aircraft. 3,381,918, 5–7–68, Cl. 244—46.
Jacquart, Raymond, and R. D. Haze, to Sud-Aviation Societe Nationale de Constructions Aeronautiques. Variable-geometry aircraft with two wing hinge axes on the fuselage. 3,405,891, 10–15–68, Cl. 244—43.
Jacques, James K., and E. J. Lowe, to Albright & Wilson (Mfg.) Ltd. Heat storage apparatus. 3,381,113, 4–30–68, Cl. 219—378.
Jacques, James O., to International Business Machines Corp. Input for digital controller. 3,387,282, 6–4–68, Cl. 340—172.5.
Jacques, Norman L.: *See*—
Speers, Samuel F., and Jacques. 3,394,492.
Jacquet, Pierre: *See*—
Desmoras, Jacques, and Jacquet. 3,419,381.
Jacquot, Michel J.: *See*—
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Jacuzzi, Candido. 3,361,303.
Jacuzzi, Candido. 3,378,858.
Jacuzzi, Candido. 3,394,733.
Nash, Floyd M. 3,381,823.
Nash, Floyd M. 3,391,870.
Jacuzzi, Candido, to Jacuzzi Bros., Inc. Liquid and paste dispenser. 3,361,303, 1–2–68, Cl. 222—183.
Jacuzzi, Candido, to Jacuzzi Bros., Inc. Drain assembly. 3,378,858, 4–23–68, Cl. 4—172.
Jacuzzi, Candido, to Jacuzzi Bros., Inc. Airless water pressure system. 3,394,733, 7–30–68, Cl. 137—568.
Jacuzzi, Rodolfo, to Everest & Jennings, Inc. Hydrotherapy apparatus. 3,411,499, 11–19–68, Cl. 128—66.
Jade Corp., The: *See*—
Delp, Winner F. 3,399,593.
Jaecklin, Andre A., to Ampex Corp. Attenuation control device. 3,372,283, 3–5–68, Cl. 307—83.
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Jaeger, Horst, to Ciba Ltd. Process for separating mixtures of cycloaliphatic fluorine compounds. 3,391,201, 7–2–68, Cl. 260—648.
Jaeger, Horst, R. Toepfl, and A. Maeder, to Ciba Ltd. Polymerisation products from monomeric esters of α,β-unsaturated carboxylic acids containing a cycloaliphatic ring in the alcohol residue and method for their preparation. 3,402,153, 9–17–68, Cl. 260—78.5.
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Johanson, Frederic R. 3,391,571.
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Jaeger, Mark A.: *See*—
Patel, Chim P., Jaeger, and Pyle. 3,378,547.
Jaeger, Richard J., Jr., and G. Riddell, to Bell Telephone Laboratories, Inc. Telephone system. 3,394,232, 7–23–68, Cl. 179—18.
Jaeger, Robert B., to Honeywell Inc. Magnetic core bipolar discriminator. 3,417,258, 12–17–68, Cl. 307—88.
Jaeger, Roland C., to Societe Anonyme Pour l'Industrie Chimique. α-(Thienyl-2)-4-stilbenol. 3,390,147, 6–25–68, Cl. 260—240.
Jaeger, Ulric R.: *See*—
Burne, Frederick A., and Jaeger. 3,364,951.
Jaeger, Walter J., and C. G. Jones, to The National Cash Register Co. Automatic tracking control apparatus for maintaining alignment of a moving web. 3,371,916, 3–5–68, Cl. 226—17.
Jaeger, Walter S. Oil well pump control system. 3,363,573, 1–16–68, Cl. 103—25.
Jaegers, Heinz, to Joseph Eck & Sohne. Calender. 3,373,681, 3–19–68, Cl. 100—163.
Jaekel, Robert F., and J. K. Wayne, to United Aircraft Corp. Engine ignition system. 3,403,511, 10–1–68, Cl. 60—39.82.
Jaenicke, Virgil W., to Whittaker Corp. Adhesive composition. 3,406,053, 10–15–68, Cl. 156—309.
Jaeschke, Ralph L., to Eaton Yale & Towne, Inc. Fluid-cooled eddy-current machines. 3,363,123, 1–9–68, Cl. 310—105.
Jaeschke, Ralph L., to Eaton Yale & Towne Inc. Eddy-current apparatus including a magnetizable metal facing. 3,365,598, 1–23–68, Cl. 310—105.
Jaeschke, Ralph L., to Eaton Yale & Towne Inc. Dynamo-electric machines. 3,389,278, 6–18–68, Cl. 310—105.
Jaeschke, Ralph L., and J. H. Wolcott, to Eaton Yale & Towne, Inc. Planetary hydraulic coupling. 3,404,761, 10–8–68, Cl. 192—61.
Jaeschke, Wayne C.: *See*—
Pfeiffer, Robert W. 3,382,986.
Jaffe, David L., to Polarad Electronics Corp. Serial pulse continuous message indicator system. 3,401,385, 9–10–68, Cl. 340—339.
Jaffe, Edward E.: *See*—
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Jaffe, Edward E., and W. J. Marshall, to E. I. du Pont de Nemours and Co. Quinacridone pigments. 3,386,843, 6–4–68, Cl. 106—288.
Jaffe, Fred, to W. R. Grace & Co. Recovery of adipic acid from a cyclohexane oxidate mixture with 1,2-dichloroethane. 3,383,413, 5–14–68, Cl. 260—537.
Jaffe, Gerald M., and W. R. Rehl, to Hoffmann-La Roche Inc. Purification of cyanamide. 3,370,922, 2–27–68, Cl. 23—190.
Jaffe, Gerald M., and E. J. Pleven, to Hoffmann-La Roche Inc. Preparation and recovery of methyl 2-ketogluconate. 3,381,027, 4–30–68, Cl. 260—483.
Jaffe, Hans, and D. A. Berlincourt, to Clevite Corp. Transducer having a transition from a ferroelectric state to an antiferroelectric state. 3,404,296, 10–1–68, Cl. 310—8.
Jaffe, Herbert R. Collapsible plastic marble race game. 3,379,440, 4–23–68, Cl. 273—86.
Jaffe, James, to Allied Chemical Corp. Process for cooling high temperature gases. 3,364,982, 1–23–68, Cl. 165—1.
Jaffe, John C., to Stagecraft Corp. Foldable trailerized shell. 3,417,518, 12–24–68, Cl. 52—7.
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Jaffe, Joseph, to Chevron Research Co. Coprecipitation method for making multi-component catalysts. 3,401,125, 9–10–68, Cl. 252—439.
Jaffe, Nissen A. Combination credit card. 3,399,473, 9–3–68, Cl. 40—2.2.
Jaffee, Robert I.: *See*—
Babel, Henry W., Jaffee, and Moss. 3,380,146.
Jaffee, Robert I., and H. R. Ogden, to Crucible Steel Co. of America. Heat treatable titanium base alloys and method. 3,405,016, 10–8–68, Cl. 148—133.
Jafvert, Erik W., to Aktiebolaget Bofors. Round feeding mechanism for automatic guns. 3,362,293, 1–9–68, Cl. 89—33.
Jagaciak, George J., to Olin Mathieson Chemical Corp. Aluminum base alloy. 3,366,476, 1–30–68, Cl. 75—147.
Jagaciak, George J., to Olin Mathieson Chemical Corp. Aluminum base alloy containing zirconium-chromium-manganese. 3,386,820, 6–4–68, Cl. 75—138.
Jagaciak, George J., J. W. Poulton, and W. L. Cronan, to Olin Mathieson Chemical Corp. Weld arresting composition. 3,385,716, 5–28–68, Cl. 106—2.
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Jager, Albert, to Revere Copper and Brass Inc. Aluminum-zinc-magnesium alloy. 3,414,407, 12–3–68, Cl. 75—146.
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Dijken, Reinder H., Jager, Krikke, and Kraus. 3,366,995.
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Petersen, Gerd, Fattinger, and Jager. 3,375,058.
Jager, Walther: *See*—
Recknagel, Lothar, Fischer, and Jager. 3,362,365.
Jagers, Leopold. Saw for cutting cold metal. 3,383,968, 5–21–68, Cl. 83—582.
Jagger, Ernest T., to George Angus & Co. Ltd. Shaft seals. 3,376,045. 4–2–68, Cl. 277—134.
Jagger, Ernest T., and G. W. Halliday, to George Angus & Co. Ltd. Shaft seals. 3,411,793, 11–19–68, Cl. 277—32.
Jaggers, Clifford. Lawn sprinkling apparatus and systems. 3,387,785, 6–11–68, Cl. 239—200.
Jaggers, Thomas H. P., Jr., to International Playtex Corp. Smooth outline undergarment. 3,362,410, 1–9–68, Cl. 128—540.
Jagy, John P., and J. M. Scutt, to Sperry Rand Corp. Resistive network for synchro to resolver voltage conversion. 3,375,430. 3–26–68, Cl. 321—58.
Jahme, Hans-Joachim. Offset rotary printing machine with plate cylinder angular adjustment. 3,390,632, 7–2–68, Cl. 101—217.
Jahn, Hans: *See*—
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Jahn, Reinhardt H. Fire-rated runner with expansion section. 3,397,501, 8–20–68, Cl. 52—573.
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Jahnes, Henry J., to Union Carbide Corp. Dispensing apparatus with plural oscillating movements. 3,403,827, 10–1–68, Cl. 222—362.
Jahns, Kenneth V., and R. C. Buetow, to Motorola, Inc. Remote station apparatus for remote control system via telephone line. 3,400,219, 9–3–68, Cl. 179—2.
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Jantzen, George, to M. Steinthal & Co., Inc. Combination shoulder harness and seat belt buckle system. 3,418,007, 12–24–68, Cl. 280—150.

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Jeffrey, William B., J. S. Elder, and R. B. Morris, Jr., to Westinghouse Air Brake Co. Automatic air and electric railway car coupler. 3,385,454, 5-28-68, Cl. 213—1.8.
Jeffreys, Roy A., and E. A. and R. B. Morris, to Eastman Kodak Co. Chromatographic device. 3,375,929, 4-2-68, Cl. 210—198.
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Jehu, Victor J., to National Research Development Corp. Safety fences. 3,390,865, 7-2-68, Cl. 256—13.1.
Jeitner, Franz, K. Reinhart, and J. Semmler, to Arbeitsgemeinschaft Versuchs-Reaktor AVR G.m.b.H. Nuclear fuel element. 3,398,052, 8-20-68, Cl. 176—71.
Jelesiewicz, Anthony C., to International Minerals & Chemical Corp. Attachment for a brick press. 3,397,435, 8-20-68, Cl. 25—103.
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Jelks, Donald K. Device for teaching water skiers. 3,390,658, 7-2-68, Cl. 114—235.
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Jencks, Charles L., and G. W. Kiesel, to General Electric Co. Circuit breaker rotary handle mechanism cam lock. 3,382,331, 5-7-68, Cl. 200—50.
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Jencks, Charles L., and G. W. Kiesel, to General Electric Co. Time delay magnetic trip unit for circuit breaker. 3,411,117, 11–12–68, Cl. 335—61.

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Jenison, Arnold. View limiting device. 3,392,461, 7–16–68, Cl. 35—12.

Jenison, Robert E. Centrifugally operated hand carried toy projector and projectile. 3,373,730, 3–10–68, Cl. 124—5.

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Jenkins, Derek K., and D. G. Timms, to International Synthetic Rubber Co. Ltd. Novel nickel containing substances and their use as polymerisation catalysts in preparation of polyolefins. 3,414,555, 12–3–68, Cl. 260—94.3.

Jenkins, Herndon, to A. H. Robins Co. Inc. 2-aryl-tetrahydropyran-3-amines. 3,419,555, 12–31–68, Cl. 260—247.2.

Jenkins, Herndon, to A. H. Robins Co. Inc. 2,8,4,4a,5,6,10b-heptahydro-1-oxophenanthridines and production thereof. 3,419,561, 12–31–68, Cl. 260—286.

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Jenkins, Philip A., A. A. Sparks, and R. C. Moore, to The Distillers Co., Ltd. Process for peptizing polychloroprene latex. 3,362,925. 1–9–68. Cl. 260—29.7.

Jenkins, Philip W., and L. G. Brooker, to Eastman Kodak Co. Dyes derived from 1,2-disubstituted-3,5-pyrazolidinediones and photographic elements containing such dyes. 3,379,533, 4–23–68, Cl. 96—102.

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Jenkins, Richard L., K. S. Vogt, and J. D. Ridenour, to General Motors Corp. Potential level indicating circuit. 3,412,392, 11–19–68, Cl. 340—248.

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Jenkins, Thomas E., to General Electric Co. Outlet valve for dishwasher pump. 3,367,368, 2–6–68, Cl. 137—625.44.

Jenkins, Thomas E., to General Electric Co. Means to secure an element to a shaft. 3,367,687, 2–6–68, Cl. 287—52.06.

Jenkins, Thomas E., to General Electric Co. Drying system for dishwasher. 3,378,933, 4–23–68, Cl. 34—54.

Jenkins, Thomas E., to General Electric Co. Lubrication system for bearing. 3,393,025, 7–16–68, Cl. 308—132.

Jenkins, Trevor, B. J. Needham, and M. A. Smith, to Whiffen & Sons Ltd. Process for preparing azines. 3,415,882, 12–10–68, Cl. 160—566.

Jenkins, Walter W. Toy stage coach. 3,367,668, 2–6–68, Cl. 280—1.1.

Jenkinson, Richard I., to Dominion Engineering Works, Ltd. Method of fitting seal rings to blades. 3,386,155, 6–4–68, Cl. 29—401.

Jenkinson, Richard I., to Dominion Engineering Works, Ltd. Laminated joint. 3,406,945, 10–22–68, Cl. 253—120.

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Jenkner, Herbert, and H. E. Praetzel, to Chemische Fabrik Kalk G.m.b.H. Shaped articles of self-extinguishing epoxy resins. 3,373,135, 3–12–68, Cl. 260—45.7.

Jenkner, Herbert, and O. Rabe, to Chemische Fabrik Kalk G.m.b.H. Preparation of 2,3-dibromopropanol. 3,378,593, 4–16–68, Cl. 260—633.

Jenkner, Herbert, O. Rabe, and R. Strang, to Chemische Fabrik Kalk G.m.b.H. Method of making tetrabromophthalic acid anhydride. 3,382,254, 5–7–68, Cl. 260—346.3.

Jenkner, Herbert, and O. Rabe, to Chemische Fabrik Kalk G.m.b.H. Method of producing phosphorus tribromide. 3,409,401, 11–5–68, Cl. 23—205.

Jenks, David M., to McDonnell Douglas Corp. Reduction driver. 3,416,582, 12–17–68, Cl. 145—50.

Jenks, Richard H., to Revere Copper and Brass Inc. Etching bath composition. 3,412,032, 11–19–68, Cl. 252—79.4.

Jenn, Louis J., to Jenn-Air Corp. Ventilator fan impeller. 3,368,744, 2–13–68, Cl. 230—134.

Jenn, Louis J., and T. R. Field, to Jenn-Air Corp. Self ventilating cooking range. 3,367,320, 2–6–68, Cl. 126—300.

Jenn, Louis J., and J. W. Schwier, to Jenn-Air Corp. Roof ventilator. 3,412,670, 11–26–68, Cl. 98—43.

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Jennens, Basil, to Crown Zellerbach Canada Ltd. Collapsible bin. 3,392,863, 7–16–68, Cl. 217—12.

Jenner, Pierre, and L. Sayous, to Societe Nationale des Petroles d'Aquitaine. Compressed metal containing ternary explosive composition. 3,374,127. 3–19–68, Cl. 149—39.

Jenney, Gavin D., to Bell Aerospace Corp. Hydraeric control system. 3,391,611, 7–9–68, Cl. 91—459.

Jenney, Gavin D., to Bell Aerospace Corp. Apparatus for comparing hydraeric pressure signals and detecting disparity therebetween. 3,406,702, 10–22–68, Cl. 137—87.

Jenney, Gavin D., to Bell Aerospace Corp. Sequential activating valve for redundant hydraeric control systems. 3,406,719, 10–22–68. Cl. 137—596.16.

Jenney, Gavin D., to Bell Aerospace Corp. Spool seizure output bypass valve. 3,406,721, 10–22–68, Cl. 137—625.69.

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Jennings, Alan K., F. L. Wiley, and E. Seid, to California Computer Products, Inc. Apparatus to control a number of graphical plotting machines from a single data processing system. 3,393,300, 7–16–68, Cl. 235—151.

Jennings, Alan K., R. D. Cone, and E. Seid, to California Computer Products, Inc. Graphical data recorder system. 3,397,389, 8–13–68, Cl. 340—172.5.

Jennings, Brian E., and J. B. Rose, to Imperial Chemical Industries Ltd. Oxymethylene polymers having olefinic double bonds in the polymer chain. 3,385,832, 5–28–68, Cl. 260—73.

Jennings, Carl A.: *See*—
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Jennings, Charles E. Boat construction. 3,382,513, 5–14–68, Cl. 9—1.

Jennings, David C., to United Aircraft Corp. Liquid cooled space suit chest band pump. 3,366,060, 1–30–68, Cl. 103—1.

Jennings, Earl R., to Pan American Petroleum Corp. Pump valve. 3,419,041, 12–31–68, Cl. 137—533.19.

Jennings. George A. N.: *See*—
Huxley, Charles W., and Jennings. 3,412,413.

Jennings, Gerald P., to Phillips Petroleum Co. Conduit coupling. 3,406,986, 10–22–68, Cl. 285—21.

Jennings, Gerald P., to Phillips Petroleum Co. Flow control. 3,408,939, 11–5–68, Cl. 103—11.

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Fretweil, James H., and Jennings. 3,360,947.

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Jennings, James R. Reverse circulating junk basket. 3,382,925, 5–14–68, Cl. 166—99.

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Jennings, James W., J. Papaila, and F. M. Smith, to Gulf Research & Development Co. Method of consolidation of incompetent subsurface formations. 3,367,420, 2–6–68, Cl. 166—27.

Jennings, James W., and J. F. Muirhead, Jr., to Gulf Research & Development Co. Method for permeably consolidating an incompetent formation with heat-curable resin. 3,373,813, 3–19–68, Cl. 166—25.

Jennings, Leroy C.: *See*—
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Jennings, Lyston C., and H. C. Spooner, to General Signal Corp. Hydraulic starting system and valves therefor. 3,384,027, 5–21–68. Cl. 103—162.

Jennings, Marvin D.: *See*—
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Jennings, Marvin D., and J. E. Wesolowski, to International Harvester Co. Hydraulic system. 3,360,931, 1–2–68, Cl. 60—52.

Jennings, Marvin D., and B. A. Shader, to International Harvester Co. Spring trip for implements. 3,402,773, 9–24–68, Cl. 172—265.

Jennings, Paul A.: *See*—
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Jennings Radio Mfg. Corp.: *See*—
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McClaflin, Robert D., and Tilman. 3,394,824.

Jennings, Ralph L., to Economy Forms Corp. Connecting member for metal form structures. 3,414,228, 12–3–68, Cl. 249—18.

Jennings, Roger G., to Olin Mathieson Chemical Corp. Insulation of cylindrical vessels. 3,392,220, 7–9–68, Cl. 264—45.

Jennings, Samuel J. Cotton harvesting apparatus. 3,408,799, 11–5–68, Cl. 56—28.

Jennings, Thomas J., and P. H. Williams, to Shell Oil Co. Process for the production of vinylphenols. 3,418,381, 12–24–68, Cl. 260—624.

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Jennings, William A., to Economy Forms Corp. Shoring structure for concrete forms. 3,409,266, 11–5–68, Cl. 249—18.

Jennrich, George J., and W. A. Blann, to Allis-Chalmers Mfg. Co. Apparatus and process for producing calcined phosphate flakes. 3,396,952, 8–13–68, Cl. 263—32.

Jenny, David S., to United Aircraft Corp. Vibration absorber. 3,372,758, 3–12–68, Cl. 170—159.

Jenny, Dietrich A., to Hughes Aircraft Co. Making P-N junction under glass. 3,397,449, 8–20–68, Cl. 29—578.

Jenny, Ernst, to Brown, Boveri & Cie Aktiengesellschaft. Combined multi-stage power plant having a rotary compressor serving as the low pressure stage and a rotary pressure-wave machine serving as the high pressure stage. 3,398,525, 8–27–68, Cl. 60—39.17.

Jenny, Ernst, to Brown, Boveri & Co., Ltd. Aerodynamic pressure wave machine. 3,407,992, 10–29–68, Cl. 230—69.

Jenny, Erwin F., and K. Schenker, to Ciba Corp. Cyclobutene derivatives. 3,377,347, 4–9–68, Cl. 260—247.

Jenny, Hans. Device for rendering visible acoustic vibrations. 3,407,897, 10–29–68, Cl. 181—.5.

Jenny, Hans, and M. Altmann, to Palor AG Niederurnen. Roller guides for blackboards having adjustable panel bodies. 3,402,483, 9–24–68, Cl. 35—63.

Jenny, Rudolf, to Maschinenfabrik Schweiter A.G. Cutting mechanism for automatic winding machines. 3,380,676, 4–30–68, Cl. 242—19.

Jenny, Rudolf, to Maschinenfabrik Schweiter AG. Method and apparatus for the treatment of ejected delivery bobbins. 3,405,877, 10–15–68, Cl. 242—35.2.

Jensen, Alan K., to Litton Business Systems, Inc. Regenerative drive circuit with current limiting. 3,364,391, 1–16–68, Cl. 317—33.

Jensen, Arne, to Danfoss A/S. Supervisory switching arrangement. 3,378,733, 4–16–68, Cl. 317—130.

Jensen, Arne, to Danfoss A/S. Semiconductor switching element with heat-responsive central current path. 3,382,418, 5–7–68, Cl. 317—237.

Jensen, Arne, to Danfoss A/S. Voltage controlled switch. 3,395,446. 8–6–68, Cl. 29—577.

Jensen, Arne, to Danfoss AS. Switching element having accurately set threshold potential. 3,401,318, 9–10–68, Cl. 317—235.

Jensen, Arnold W., and M. Ozolins, to E. I. du Pont de Nemours and Co. Polyether urethane stabilized with a benzotriazole and a tris-phenol. 3,379,675, 4–23–68, Cl. 260—45.8

Jensen, Carl F.: *See*—
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Jensen, Charles E., deceased; by A. L. Johnson, administratrix. Fishing lure. 3,380,185, 4–30–68, Cl. 43—42.11.

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Jensen, Donald D. Apparatus and method for producing a fog curtain heat shield. 3,386,365, 6–4–68, Cl. 98—36.

Jensen, Donald D. Ventilating system including fume removal means. 3,400,649, 9–10–68, Cl. 98—115.

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Jensen, Erik H. Air conditioning systems with reheat coils. 3,362,184, 1–9–68, Cl. 62—160.

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Jensen, Flemming E., to F. L. Smidth & Co. Rotary kiln assemblies. 3,372,915, 3–12–68, Cl. 263—32.

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Cork, Spencer M., Jensen, and McGeogh. 3,403,344.

Jensen, Gerald A., J. G. Kakatsakis, and T. J. Lynch, to Avco Corp. Shock testing machine. 3,360,979, 1–2–68, Cl. 73—12.

Jensen, Hans A., to The Kartridg Pak Co. Continuous tube packaging machine. 3,382,641, 5–14–68, Cl. 53—14.

Jensen, Hans A., and A. H. Eberman, to Oscar Mayer & Co., Inc. Packaging of free flowing materials. 3,367,490, 2–6–68, Cl. 206—65.

Jensen, Hans A., and A. H. Eberman, to Oscar Mayer & Co., Inc. Machine for injecting curing liquid into meat products. 3,381,603, 5–7–68, Cl. 99—257.

Jensen, Harvey M., to United States of America, Navy. Demodulator circuit including complementary transistors and means for applying forward and cutoff bias. 3,364,429, 1–16–68, Cl. 329—101.

Jensen, Helmar O., to Hysteresis Motor Research, Inc. Method of manufacturing hysteresis motors. 3,365,795, 1–30–68, Cl. 29—596.

Jensen, Hermann B. F. Electronic process control devices. 3,414,884, 12–3–68, Cl. 340—172.5.

Jensen, Howard J., K. D. Richmond, A. W. Brooks, and D. L. Waugh, to Dayco Corp. Power transmission belts. 3,416,383, 12–17–68, Cl. 74—233.

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Jensen, Larlyn C. and P. R. Skirt hanger. 3,400,869, 9–10–68, Cl. 223—95.

Jensen, Lee. Isometric exercise cradle. 3,399,888, 9–3–68, Cl. 272—81.

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Jensen, Lloyd I., to Schlumberger Technology Corp. Method and apparatus for drill stem testing. 3,412,607, 11–26–68, Cl. 73—155.

Jensen, Merlin R., to Electric Machinery Mfg. Co. Toggle operated electric vacuum switch. 3,372,353, 3–5–68, Cl. 335—26.

Jensen, Neil T. Variable speed reversible rotary hydraulic power transmission. 3,397,618, 8–20–68, Cl. 91—149.

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Jensen, Paul R.: *See*—
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Jensen, Peter W., C. H. Coleman, and A. J. Trost, to Ampex Corp. Magnetic recorder equalization system having continually adjusted compensation. 3,381,083, 4–30–68, Cl. 178—5.2.

Jensen, Raymond W., and R. J. Garon, to Wyle Laboratories. Hyperbaric vessels. 3,368,556, 2–13–68, Cl. 128—204.

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Jensen, Warren P., and G. E. Besancon, to Rexall Drug and Chemical Co. Boat-trimming vane mechanism. 3,404,651, 10–8–68, Cl. 114—66.5.

Jensen, Warren R. Pill dispenser. 3,394,796, 7–30–68, Cl. 206—42.

Jensen, Warren R. Hose coupling attachment. 3,394,950, 7–30–68. Cl. 285—35.

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Jenssen, Jens W. Trawl boards. 3,401,014, 11–12–68, Cl. 43—9.

Jenssen, Sverre K., to Alfa-Laval AB. Fuel assembly. 3,368,946, 2–13–68, Cl. 176—78.

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Jentzen, Sydney W., to Jentzen-Miller Co. Modular display table. 3,419,319, 12–31–68, Cl. 312—257.

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Jepson, Ivar, and J. L. Viecell, to Sunbeam Corp. Pressing iron. 3,407,522, 10–29–68, Cl. 38—78.

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Johnson, Alvin L., to General Industries, Inc. Spectacle temple hinge connection with hinge pin retainer. 3,385,646, 5–28–68, Cl. 351—153.
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Johnson, Arthur A., and G. Pistey. Auxiliary paper tray for copying machines. 3,408,064, 10–29–68, Cl. 271—61.
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Johnson, Arthur F. Aluminum reduction cell and insulation material therefor. 3,372,105, 3–5–68, Cl. 204—243.
Johnson, Arthur F., to Aluminum Co. of America. Current collecting method and apparatus for aluminum reduction cells. 3,385,778, 5–28–68, Cl. 204—243.
Johnson, Arthur G., Jr. Combat weapon. 3,413,666, 12–3–68, Cl. 7—14.1.
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Johnson, Christopher L., to Rolls-Royce Ltd. Gas turbine engine fuel system. 3,368,349, 2–13–68, Cl. 60—39.28.
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Kain, Arthur F. Child guard. 3,402,409, 9–24–68, Cl. 5—331.

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Kamm, Vernon C., J. R. Van Ardel, and A. E. Whiteside, to The Bendix Corp. Electronic computer system. 3,380,027, 4–23–68, Cl. 340—172.5.
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Kammerer, Archer W., Jr., ⅛ to J. K. Lamphere, and ⅝ to A. W. Kammerer. Reverse circulation rotary expansible drill bits. 3,406,769, 10–22–68, Cl. 175—269.
Kammerer, Archer W., Jr., ⅛ to J. K. Lamphere, and ⅝ to A. W. Kammerer. Apparatus for recovering formation wall samples from a bore hole. 3,414,069, 12–3–68, Cl. 175—268.
Kammerer, Clemens, to Jacoby-Bender, Inc. Bracelet clasp assembly. 3,365,760, 1–30–68, Cl. 24—239.
Kammermeyer, James W. Sanitary trap jamnut repair unit. 3,382,508, 5–14–68, Cl. 4—191.
Kammiller, Neil A., and B. W. Howald, to Lorain Products Corp. Transistor inverter for synchronized operation with a like paralleled inverter. 3,390,320, 6–25–68, Cl. 321—2.
Kamnitsis, Constantine, to Radio Corp. of America. Wide-band transistor power amplifier using a short impedance matching section. 3,419,813, 12–31–68, Cl. 330—30.
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Kamoshita, Genichi, M. Hirano, J. Shiba, and N. Hara, to Hitachi, Ltd. Sintered palladium materials for electric contact. 3,380,812, 4–30–68, Cl. 29—182.5.
Kamp, Ernst, and K. Jahn, to Monsanto Co. Plastic vessel coated with epoxy resin containing lacquer. 3,393,087, 7–16–68, Cl. 117—26.
Kamp, Ewald A., to ACD Bedding Corp. Vibrating spring structure. Re. 26,346, 2–20–68, Cl. 128—33.
Kamp, Ewald A., to The Englander Co., Inc. Apparatus for packaging mattresses and the like. 3,390,509, 7–2–68, Cl. 53—261.
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Kamp, Leonard F.: *See*—
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Kampas, George S., and L. S. Wiswall, to Magnastatic Corp. Self-powered drive means. 3,396,585, 8–13–68, Cl. 74—3.52.
Kamper, Erich, and H. Gulden, to Firma Essener Teerschotter G.m.b.H. Method of and apparatus for the drying and heating of gravel and crushed stone. 3,362,078, 1–9–68, Cl. 34—9.
Kampert, Keith W., to International Harvester Co. Cylinder construction. 3,397,893, 8–20–68, Cl. 277—24.
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Kampert, Keith W., and K. E. Houtz, to International Harvester Co. Hydraulic actuator assembly. 3,391,614, 7–9–68, Cl. 92—244.
Kampert, Keith W., and K. E. Houtz, to International Harvester Co. Articulated vehicle bushing. 3,411,809, 11–19–68, Cl. 280—400.
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Kampmann, Friedrich W., and H. Thome, to Knapsack Aktiengesellschaft. Means for tightening current supply plates on electrodes in open or closed type electric furnaces. 3,390,221, 6–25–68, Cl. 13—16.
Kamps, Reinhold G., M. H. Burckhardt, and G. Funke, to Daimler-Benz Aktiengesellschaft. Mounting means for brake block and actuating piston. 3,376,955, 4–9–68, Cl. 188—73.
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Kanarek, Shepard S. Radio position plotter. 3,413,639, 11–26–68, Cl. 343—112.
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Kandel, Walter. Self-enlarging-puncture firearm target. 3,370,852, 2–27–68, Cl. 273—102.1.
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Kane, John S. Glass tinting lacquer compositions. 3,386,941, 6–4–68, Cl. 260—31.2.
Kane, John V., to Bell Telephone Laboratories, Inc. Spatially alternating gradient voltage system for a Van de Graaff accelerator. 3,361,980, 1–2–68, Cl. 328—233.
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Kaneko, Hisashi, to Nippon Electric Co., Ltd. Decoder with bipolar-hyperbolic companding characteristics. 3,377,586, 4–9–68, Cl. 340—347.
Kaneko, Hisashi, to Nippon Electric Co., Ltd. Decoding device with a nonlinear companding characteristic. 3,397,396, 8–13–68, Cl. 340—347.
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Kaneko, Tamaki, and K. Yamamoto, to Kabushiki Kaisha Ricoh. Printing position control device for an offset printing machine. 3,413,920, 12–3–68, Cl. 101—248.
Kaneko, Tatsuo, to Fuji Shashin Film Kabushiki Kaisha and Fuji Shashin Koki Kabushiki Kaisha. Automatic film sensitivity setting means for an exposure control circuit of a camera. 3,410,186, 11–12–68, Cl. 95—10.
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Kanner, Martin, to Fairchild Camera and Instrument Corp. Direct-current motor servo system having a substantially linear voltage-speed characteristic. 3,412,305, 11–19–68, Cl. 318—331.
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Kantrowitz, Arthur R., R. T. Jones, and R. G. Priebe, to Avco Corp. Connector for implantable prosthetic devices. 3,409,913, 11–12–68, Cl. 3—1.
Kanzler, Ernest C., Jr. Balance game apparatus. 3,389,910, 6–25–68, Cl. 273—1.
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Kapff, Sixt F., to Standard Oil Co. Peak temperature recording apparatus. 3,418,842, 12–31–68, Cl. 73—36.
Kapff, Sixt F., and W. P. Cropper, to Standard Oil Co. Flash testing apparatus. 3,402,595, 9–24–68, Cl. 73—36.
Kapff, Sixt F., and L. T. Wright, to The Standard Oil Co. Method and apparatus for determining the amount of carbon deposited on catalyst. 3,414,382, 12–3–68, Cl. 23—230.
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Kaplan, Donald E., to Burroughs Corp. High speed item handling apparatus. 3,386,574, 6–4–68, Cl. 209—73.
Kaplan, Earl, to American Cyanamid Co. Process for zinc thiobenzoate. 3,385,875, 5–28–68, Cl. 260—429.9.
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Kaplan, Joseph. Variable-torque slip device. 3,405,791, 10–15–68, Cl. 192—81.
Kaplan, Joseph. Spring slip element for bi-directional slip. 3,405,929, 10–15–68, Cl. 267—1.
Kaplan, Julius. Filling material for pillows. 3,373,455, 3–19–68, Cl. 5—361.
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Kaplan, Leonard A., to Westinghouse Electric Corp. Common base power amplifier. 3,365,672, 1–23–68. Cl. 330—15.
Kaplan, Leonard A., and O. P. Hart, to Radio Corp. of America. Gain controlled amplifier using multiple gate field-effect transistor as the active element thereof. 3,404,347, 10–1–68, Cl. 330—29.
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Kaplan, Melvin, and J. A. Arcesi, to Allied Chemical Corp. Chlorinated polyisocyanate composition and preparation thereof. 3,390,164, 6–25–68, Cl. 260—453.
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Kaprelian, Edward K. Method of and means for recording and reproducing sound. 3,379,095, 4–23–68, Cl. 88—28.
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Kaprelian, Robert A., to Compagnie du Filage des Metaux et des Joints Curty. Method of hot extrusion of metals and alloys on slowly operated presses. 3,397,560, 8–20–68, Cl. 72—41.
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Karcher, Edmund A., to Westinghouse Electric Corp. Direct coupled, temperature stabilized audio amplifier. 3,374,441, 3–19–68 Cl. 330—30.
Karcher, Edmund A., to Westinghouse Electric Corp. Method of fabricating an integrated circuit structure including unipolar transistor and bipolar transistor portions. 3,404,450, 10–8–68, Cl. 29—577.
Karcher, John C., to Concho Petroleum Co. Phenolics-enrichment of humus plant nutrient. 3,377,152, 4–9–68, Cl. 71—24.
Karcher, Ralph E., Jr.: *See*—
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Kardash, John J., to Sylvania Electric Products Inc. Bistable logic circuit. 3,384,766, 5–21–68, Cl. 307—292.
Kardos, Louis F., to Westinghouse Electric Corp. On-off and proportional position servo motor control system. 3,419,775, 12–31–68, Cl. 318—18.
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Kardys, Joseph A., to Chas. Pfizer & Co., Inc. Process for the isomerization of vitamin A. and esters thereof. 3,384,633. 5–21–68. Cl. 260—207.1.
Karecki, Marion R., to V-M Corp. Self-aligning pressure pad for tape recorders. 3,378,266. 4–16–68. Cl. 274—11.
Karecki, Marion R., to V-M Corp. Tape recorder. 3,411,729, 11–19–68, Cl. 242—55.12.
Kareken, Ronald S.: *See*—
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Karel, Bernard. Advertisement attachment for gable top containers. 3,380,181, 4–30–68, Cl. 40—312.
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Karg, James F. Spool carrier for braiding machines. 3,362,282, 1–9–68, Cl. 87—22.
Kargin, Valentin A., V. N. Kotrelev, M. S. Akutin, A. F. Opolovenkov, B. V. Andrianov, and M. V. Kotrelev, to Cosudarstvenny Nauchno-Issledovatelsky Institute Plasticheskikh Mass. Paraformaldehyde stabilized with elemental titanium and derivatives thereof. 3,403,129, 9–24–68, Cl. 260—45.75.
Karickhoff, Michael, to E. I. du Pont de Nemours and Co. Pencil receptive film. 3,382,206, 5–7–68, Cl. 260—40.
Karickhoff, Michael, and J. C. Lofland, to E. I. du Pont de Nemours and Co. Process of improving the printability of a polyester drafting film using an electric discharge and heat. 3,377,262, 4–9–68, Cl. 204—165.
Karickhoff, Michael, and C. E. Miller, to E. I. du Pont de Nemours and Co. Polyethylene terephthalate film and process of preparation thereof. 3,407,112, 10–22–68, Cl. 161—165.
Karig, Erhardt, and H. Kirchner, to Reimer-Gatriebe A.G. Control mechanism for engine combined with infinitely variable transmission. 3,368,426, 2–13–68, Cl. 74—865.
Kariyone, Kazuo: *See*—
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Karkutt, Reimund: *See*—
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Karlan, Paul. Adjustable cutter. 3,365,988. 1–30–68. Cl. 77—79.
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Gohlke, Roland S., and Karle. 3,394,252.
Karlen, Harvey R., to Cory Corp. Liquid heater. 3,387,903, 6–11–68, Cl. 312—228.
Karlen, Harvey R., and W. L. Lockett, to Cory Corp. Brewing apparatus. 3,366,034, 1–30–68. Cl. 99—282.
Karlen, Harvey R., F. L. Herbsthofer, and L. W. Martin, to Cory Corp. Liquid supply apparatus. 3,415,267, 12–10–68, Cl. 137—132.
Karlovitz, Bela, to Northern Natural Gas Co. Method and apparatus for the control of ionization in a distributed electrical discharge. 3,373,306, 3–12–68, Cl. 313—231.
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Karlovsky, Jerry, Jr., to National Mine Service Co. Boring type mining machine having mechanically driven horizontal rotary trimmer bars. 3,376,072, 4–2–68, Cl. 299—59.
Karlovsky, Jerry, Jr., and R. A. Butler, to National Mine Service Co. Cutter head having a torque responsive shearable connection. 3,408,110, 10–29–68, Cl. 299—86.
Karlson, Eskil L., and J. V. Kiernan, to Barnes Engineering Co. Black pigment for the blackening of infrared radiation detectors. 3,364,066, 1–16–68, Cl. 117—215.
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Demarest, Philip C., and Karlson. 3,408,523.
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Karlsson, Bengt S., to Sandvikens Jernbecks Aktiebolag. Device for applying traction-augmenting studs in tires for vehicles and the like. 3,398,446, 8–27–68, Cl. 29—212.
Karlsson, Elof K., to International Harvester Co. Impact relief mechanism for row dividers and the like. 3,387,440, 6–11–68, Cl. 56—119.

Karlsson, Elof K., to International Harvester Co. Rotary suction type cleaning system. 3,397,778, 8–20–68, Cl. 209—23.

Karlsson, Elof K., to International Harvester Co. Combine beater grate. 3,401,700, 9–17–68, Cl. 130—27.

Karlsson, Elof K., and W. A. Watts, to International Harvester Co. Adjustable head construction for combines and the like. 3,402,540, 9–24–68, Cl. 56—208.

Karlsson, Gosta, and K. Folgero, to Allmanna Svenska Elektriska Aktiebolaget. Electromagnetic stirrer. 3,396,228, 8–6–68, Cl. 13—26.

Karlsson, Hans I. R. Safety harnesses for high speed vehicles. 3,405,953, 10–15–68, Cl. 280—150.

Karlsson, Karl G., to Sprinter-Pack AB. Stackable cups. 3,381,849, 5–7–68, Cl. 220—97.

Karlsson, Nils, R. Lundqvist, S. Nilsson, and R. Sivertsen, to Allmanna Svenska Elektriska Aktiebolaget. Dynamoelectric machine AC–DC converter system. 3,396,324. 8–6–68, Cl. 321—28.

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Karlstrom, Karl R. M., to Mechanical Handling Systems, Inc. Tow truck conveyor system. 3,408,952, 11–5–68, Cl. 104—172.

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Karmann, Thomas R. Traveling irrigation sprinkler apparatus. 3,415,451, 12–10–68, Cl. 239—191.

Karmin, Donald. Safety-guarded peg board display hanger. 3,374,898, 3–26–68, Cl. 211—59.

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Karnofsky, George B., to Blaw-Knox Co. Method of manufacturing vinyl acetate. 3,372,187, 3–5–68, Cl. 260—498.

Karnofsky, George B., to Blaw-Knox Co. Method and means for producing potable waters. 3,400,549, 9–10–68, Cl. 62—58.

Karnofsky, George B., to Blaw-Knox Co. Method of manufacturing vinyl acetate mononer. 3,415,872, 12–10–68, Cl. 260—498.

Karol, Kenneth N., to AMP Inc. Coaxial patchcord assembly. 3,363,222. 1–9–68, Cl. 339—221.

Karol, Kenneth N., to AMP Inc. Plug contactor. 3,366,917, 1–30–68, Cl. 339—101.

Karol, Reuben H. Inclination indicator. 3,400,464, 9–10–68, Cl. 33—205.

Karoly, Gabriel: *See*—
Noshay, Allen, and Karoly. 3,410,799.

Karow, William E.: *See*—
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Karp, Arthur, and W. L. Cornelius, to Stanford Research Institute. Spark gap with disposable solid dielectric between the electrodes. 3,364,390. 1–16–68, Cl. 315—326.

Karp, Edward C., to Sanitary Scale Co. Weighing scale with optical readout system. 3,376,943, 4–9–68, Cl. 177—173.

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Karpeka, Victor A.: *See*—
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Boitchenko, Mikhail S., Foulmakht, Routese, Pravdine, Korotkov, Kaouchansky, Chabanov, and Karpeka. 3,375,862.
Butkevich, Vladimir A., Evteev, Kaushansky, Karpeka, Korotkov, Pravdin, Rutes, Fulmakht, and Fisjun. 3,375,864.

Karpf, Nikolaus. Optical universal viewfinder for photographic and movie cameras with interchangeable objectives. 3,393,-601, 7–23–68, Cl. 88—1.5.

Karpovich, John, to The Dow Chemical Co. Cyclic water hammer method. 3,409,470. 11–5–68, Cl. 134—1.

Karr, Andrew E.: *See*—
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Karr, Clande, to Commissariat a l'Energie Atomique and Institnt Francais du Petrole des Carburants et Lubrifiants. Method and devices for supplying a magnetohydrodynamic generator. 3,395,967, 8–6–68, 431—1.

Karr, Gerald W., to Beloit Eastern Corp. Crimper paddle. 3,411,269, 11–19–68, Cl. 53—380.

Karr, James F. Releasable hanger for hoisting equipment. 3,416,830, 12–17–68, Cl. 294—5.5.

Karr, Richard D. Color television picture tube. 3,411,029, 11–12–68, Cl. 315—13.

Karr, Robert L. Safety razor with adjustable guards. 3,382,-576, 5–14–68, Cl. 30—60.5.

Karr, Robert L. Safety razor with adjustable guards. 3,391,-458, 7–9–68, Cl. 30—73.

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Karr, Willis F., to Stearns Mfg. Co., Inc. Moving sidewalk. 3,379,300. 4–23–68, Cl. 198—181.

Karr, Willis F., to Stearns Mfg. Co., Inc. Automated kiln. 3,386,713, 6–4–68, Cl. 263—6.

Karr, Willis F., to Federal Engineering Co., Inc. Moving sidewalk. 3,399,758, 9–3–68, Cl. 198—181.

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Karsten, Kenneth S., and W. S. Taylor, to R. T. Vanderbilt Co., Inc. Germicidal detergent compositions. 3,412,033, 11–19–68. Cl. 252—107.

Karsten, Olsv, to Allmanna Svensak Elektriska Aktiebolaget. Leak indicator for liquid-cooled machines. 3,410,102, 11–12–68, Cl. 62—129.

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Kartluke, Herbert, and C. A. Boyd, to United States of America, Atomic Energy Commission. Superheating prevention and boiling control. 3,368,610, 2–13–68, Cl. 165—1.

Kartluke, Herbert, and C. A. Boyd, to Aeroprojects Inc. Method for detection of the imminence or incidence or cavitation in a liquid. 3,381,525, 5–7–68, Cl. 73—67.

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Karwat, Ernst: *See*—
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Karwat, Ernst, to Linde Aktiengesellschaft. Hydrogen production and enrichment. 3,400,546, 9–10–68, Cl. 62—12.

Kasaback, Ronald L., to Lord Corp. Torsionally resilient drive. 3,386,265, 6–4–68, Cl. 64—27.

Kasahara, Yasuo, to Shoichi Shimada. Automatic current limiting circuit breaker. 3,373,383, 3–12–68, Cl. 335—18.

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Kasai, Paul H.: *See*—
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Kasamatsu, Eiichi, to Igarashi Co., Ltd. Scarf. 3,360,802, 1–2–68, Cl. 2—207.

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Kasehagen, Leo, to Atlas Chemical Industries, Inc. Hydrogenolysis of reducible sugars to obtain a high percentage of glycerol. 3,396,199, 8–6–68, Cl. 260—635.

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Kashiwagi, Kimifumi. Apparatus for continuous heat-sealing of thermoplastic sheets. 3,367,261, 2-6-68, Cl. 100—93.
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Kasper, Frank S., to Amtron, Inc. Slicing machine having automatic controls for producing groups of preselected weight. 3,379,233, 4-23-68, Cl. 146—94.
Kasper, Frank S., to Amtron, Inc. Methods of effecting slicing operations. 3,379,234, 4-23-68, Cl. 146—222.
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Kasper, Robert J., to Park-Ohio Industries, Inc. Method of balancing a three phase system for an induction heating installation. 3,379,962, 4-23-68, Cl. 323—128.
Kasper, Robert J., and S. J. Ryba, Jr., to The Ohio Crankshaft Co. Device for controlling the power factor in the output circuit of a generator. 3,419,792, 12-31-68, Cl. 323—105.
Kasper, Roman J., to International Harvester Co. Rotary cutter. 3,387,436, 6-11-68, Cl. 56—6.
Kasper, Roman J., to International Harvester Co. Rotary plant cutter and method of cutting. 3,387,446, 6-11-68, Cl. 56—503.
Kass, Gerald H., to Anderson Brass Co. Valve for gas burner. 3,402,739, 9-24-68, Cl. 137—628.
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Kasten, Walter, to The Bendix Corp. Water discharge device. 3,368,681, 2-13-68, Cl. 210—114.
Kasten, Walter, to The Bendix Corp. Elements for removing contaminants from liquid. 3,415,384, 12-10-68, Cl. 210—484.
Kasten, Walter, to The Bendix Corp. Shut-off valve for fuse filter. 3,416,665, 12-17-68, Cl. 210—96.
Kasten, Walter, to The Bendix Corp. Shut-off valve for fuse filter. 3,416,666, 12-17-68, Cl. 210—96.
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Kastning, William H., to Western Electric Co., Inc. Test circuit for evaluating magnetic memory devices. 3,403,330, 9-24-68, Cl. 324—34.
Kastning, William H., to Western Electric Co., Inc. Test circuit for evaluating magnetic memory devices which energizes the devices a predetermined number of times prior to test. 3,403,331, 9-24-68, Cl. 324—34.
Kastovich, John C., and J. D. Meess, to Westinghouse Electric Corp. Liquid-cooled luminaire. 3,372,739, 3-12-68, Cl. 165—47.
Kastovich, John C., and J. D. Meess, to Westinghouse Electric Corp. Lighting luminaire which is liquid cooled. 3,372,740. 3-12-68, Cl. 165—47.
Kasuga, Noboru, to Janome Sewing Machine Co., Ltd. Buttonhole stitching device. 3,401,659, 9-17-68, Cl. 112—158.
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Katayama, Susumu. Water current controlling means. 3,386,250, 6-4-68, Cl. 61—3.
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Kato, Kazuo. Porcelain teeth having a new holding structure and method for manufacturing same. 3,367,027, 2-6-68, Cl. 32—10.
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Kato, Masaaki, R. Komori, and M. Fukumoto, and Asahi Kasei Kogyo Kabushiki Kaisha. Electrodialysis apparatus having chord electrodes. 3,384,568, 5–21–68, Cl. 204—301.
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Katsumura, Toru, S. Morita, T. Ozeki, K. Tamaoki, and S. Mori. Car door actuator. 3,398,484, 8–27–68, Cl. 49—138.
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Kattus, James R., and J. D. Morrison, to Southern Research Institute. Ferrous base copper molybdenum age hardening alloy and method. 3,390,982, 7–2–68, Cl. 75—125.
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Katz, Daniel, to United States of America, Army. Wear reduction additives. 3,362,328, 1–9–68, Cl. 102—38.
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Katz, Jack. Fuel saver. 3,382,863, 5–14–68, Cl. 126—242.
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Katz, Jacob M. Devices for dispensing paper towels, handbills, stationery and the like. 3,375,956, 4–2–68, Cl. 221—259.
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Katz, Leonhard, and K. W. Miles, to Astro Dynamics, Inc. Electric motor apparatus with trigger controlled switching circuits for energizing the stator thereof. 3,364,408, 1–16–68, Cl. 318—138.
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Katzbeck, Walter J., and E. G. King, to Corn Products Co. Process for sizing textiles. 3,376,623, 4–9–68, Cl. 28—72.6.
Katzell, William. Paint roller cleaner and dryer. 3,372,416, 3–12–68, Cl. 15—4.
Katzen, Sol. Aircraft. 3,397,852, 8–20–68, Cl. 244—12.
Katzenstein, William, to General Aniline & Film Corp. Hydraulic fluid compositions. 3,379,644, 4–23–68, Cl. 252—73.
Katzer, Melvin F., to The Dow Chemical Co. Reducing the pressure on aqueous solutions of polymers. 3,371,714, 3–5–68, Cl. 166—42.
Katzer, Melvin F., to The Dow Chemical Co. Lubricating surfaces. 3,418,157, 12–24–68, Cl. 117—132.
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Kauder, Otto S., to Argus Chemical Corp. Rigid polyvinyl chloride resin compositions having increased resistance to heat deterioration. 3,385,818, 5–28–68, Cl. 260—45.75.
Kauder, Otto S., to Argus Chemical Corp. Nickel organophosphites and polyolefin resin stabilization therewith. 3,395,112, 7–30–68, Cl. 260—45.75.
Kauders, Herbert J., to General Electric Co. Process for preparing highly crystalline alpha strontium acid phosphate. 3,384,453, 5–21–68, Cl. 23—109.
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Kauer, Erhard, to North American Philips Co. Inc. Incandescent lamp with filament consisting of a hexaboride of a rare earth metal. 3,399,321. 8–27–68, Cl. 313—218.
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Kauer, James C., to E. I. du Pont de Nemours and Co. Derivatives of bicyclo[2.2.2]oct-2-ene and process of preparation. 3,419,598. 12–31–68, Cl. 260—468.
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Kauffman, Harry D., to The Ohio Crankshaft Co. Induction heating element. 3,403,241, 9–24–68, Cl. 219—10.59.
Kauffman, Joel M., J. Green, and M. M. Fein, to United States of America, Atomic Energy Commission. Process of preparing nitrosocarborane monomers. 3,375,282, 3–26–68, Cl. 260—606.5.
Kauffman, John E., to Texas Instruments Inc. Economy high power package. 3,417,300, 12–17–68, Cl. 317—234.

Kauffman, John H., to National Engineering Co. Fluid conveyor switch. 3,395,731, 8–6–68, Cl. 137—610.

Kauffman, Melvin R., to General Electric Co. Dishwasher having improved vent means. 3,398,756, 8–27–68, Cl. 134—58.

Kauffman, Melvin R., and G. T. Sholtes, to General Electric Co. Treating agent dispensing means for automatic washing machine. 3,419,190, 12–31–68, Cl. 222—70.

Kauffman, Robert J., to Narad, Inc. Doorway void filler. 3,389,665, 6–25–68, Cl. 105—369.

Kauffmann, Raymond, to Fabrique Nationale d'Armes de Guerre Societe Anonyme. Parachutable, self-propelled endless track vehicle. 3,369,624, 2–20–68, Cl. 180—9.54.

Kaufman, Albert and L. Bracket support for rotary disk sander. 3,375,617, 4–2–68, Cl. 51—170.

Kaufman, Arnold, S. H. Nusim, and W. A. Sklarz, to Merck & Co., Inc. Process for the monohalogenation of acetone. 3,397,240, 8–13–68, Cl. 260—593.

Kaufman, Barry M., to Mu Western Electronics Co., Inc. Mobile radio paging system wherein the receivers are all made operative for a brief interval following a transmitted tone burst. 3,387,212, 6–4–68, Cl. 325—1.

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Kaufman, Bruce A., and E. T. Ulzurrun to The National Cash Register Co. Magnetic thin film memory having bipolar digit currents. 3,378,822, 4–16–68, Cl. 340—174.

Kaufman, Bruce A., and E. T. Ulzurrun, to The National Cash Register Co. Thin-film magnetic memory employing coincident A.C. and D.C. drive signals. 3,378,823, 4–16–68, Cl. 340—174.

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Kaufman, Irving, to TRW Inc. Microwave harmonic generator and mixer with idling circuit. 3,417,317, 12–17–68, Cl. 321—69.

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Kaufman, Martin H., and J. D. Braun, to United States of America, Navy. Process for preparing fluorocarbon monomers. 3,419,628, 12–31–68, Cl. 260—653.3.

Kaufman, Maxime G., to United States of America, Navy. Time gated filter. 3,398,374, 8–20–68, Cl. 328—165.

Kaufman, Maxime G., and H. B. Gardner, to United States of America, Navy. Zero phase shift filter. 3,394,323, 7–23–68, Cl. 333—17.

Kaufman, Morris, and R. W. Bloch, to Ekco Products, Inc. 3,406,860, 10–22–68, Cl. 220—23.4.

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Kaufman, Robert I. Hub cap. 3,393,015, 7–16–68, Cl. 301—108.

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Kaufman, Stanley and D. Emergency opening protective gate. 3,417,805, 12–24–68, Cl. 160—152.

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Kaufman, Vernon R., to Jacobsen Mfg. Co. Rotary lawn mower with gasoline engine. 3,416,295, 12–17–68, Cl. 56—25.4.

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Kaufmann, Frank H., to Steel Heddle Mfg. Co. Loom harness. 3,417,787, 12–24–68, Cl. 139—91.

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Kaufmann, Michael, to Bolkow Gesellschaft mit beschrankter Haftung. Fuel injection device for liquid fuel rocket engines. 3,413,810, 12–3–68, Cl. 60—258.

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Kaufmann, William S., and R. C. Miller, to Western Electric Co., Inc. Circuit for measuring the dynamic impedance ratio of a nonlinear device. 3,387,211, 6–4–68, Cl. 324—158.

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Kautsky, George J., to Chevron Research Co. Gasoline fuel containing alkyl orthophosphates of N-aminoalkyl-substituted 2-amino-alkane detergents. 3,389,980, 6–25–68, Cl. 44—69.

Kautsky, George J., to Chevron Research Co. Detergent gasoline containing straight-chain tertiary alkyl attached primary amines. 3,399,982, 9–3–68, Cl. 44—69.

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Kavan, Zdenek, J. Stamberk, and S. Sevcik, to Ceskoslovenska Akademie Ved. Device for accurate dosing of liquids. 3,390,815, 7–2–68, Cl. 222—137.

Kavanagh, James K. P. V. C. Slidable barrel firearm with safety preventing opening of the firearm while cocked. 3,392,470, 7–16–68, Cl. 42—10.

Kavanau, Julian L., to Biopex, Inc. Fluid dispenser. 3,390,860, 7–2–68, Cl. 251—9.

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Kavieff, Sheldon M., to Jervis B. Webb Co. Apparatus and method for final assembly of automotive vehicles. 3,404,636, 10–8–68, Cl. 104—96.

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Kawabata, Yoshikazu, and M. Yamashita, to Nihon Gakki Kabushiki Kaisha. Electronic musical instrument of just intonation. 3,401,229, 9–10–68, Cl. 84—1.04.

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Kawada, Shin-Ichi, to Kabushiki Kaisha Tokyo Keiki Seizosho (Tokyo Keiki Seizosho Co., Ltd.). Control signal generator for step motor. 3,404,359, 10–1–68, Cl. 336—135.

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Kawahashi, Takeshi, and H. Shiki, to Nippon Electric Co. Ltd. Arrangement for compensating amplitude and phase distortion of an electric signal. 3,372,350, 3–5–68, Cl. 333—28.

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Kawai, Kazuo, and H. Kurihara, to Kokusai Denshin Denwa Kabushiki Kaisha. System for generating single sideband phase modulated telegraphic signals. 3,378,637, 4–16–68, Cl. 178—67.

Kawai, Yoshinori, H. Kiwaki, and H. Sato, to Hitachi, Ltd. Magnetic amplifier controlled power circuit operative with D.C. electric source. 3,374,440, 3–19–68, Cl. 330—8.

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Kawamoto, Takuya and S., to Sony Corp. Circuit for controlling the displaying of selected indicia by indicator tubes in a display system for electronic computers and the like. 3,414,764, 12–3–68, Cl. 315—84.6.

Kawamura, Masaya, to Nittoku-Kinzokukogko-Kabushiki-Kaisha. Rotary plain bearing. 3,385,640, 5–28–68, Cl. 308—35.

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Kawamura, Yurio, T. Ando, K. Takenouchi, Y. Sakata, and H. Maruyama, to Ajinomoto Co., Inc. Sherulitic crystal aggregate of monosodium glutamates monohydrate and method of preparing the same. 3,419,608, 12–31–68, Cl. 260—534.

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Okamoto, Tatsumi, Hirayama, Kawanami, and Nishikawa. 3,376,152.

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Kawano, Takehiko, T. Suyama, J. Nagai, and Y. Iga, to The Green Cross Corp. Low molecular chondroitin sulfate and method for manufacturing the same. 3,405,120, 10–8–68, Cl. 260—234.

Kawano, Yoshiro, Y. Tanaka, N. Yamada, and O. Taisuke, to Matsushita Denko Kabushiki Kaisha. Battery powered dry shaver having rotary shaving head and retractible trimmer. 3,392,443, 7–16–68, Cl. 30—34.1.

Kawasaki, Keimin, to Nippon Oilless Kogyo Kabushiki Kaisha. Porous bronze castings for bearing and the like uses. 3,370,944, 2–27–68, Cl. 75—156.5.

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Manabe, Atsutoki, and Kawasaki. 3,404,441.

Kawasaki, Shigeo, and K. Nakamura, to Chisso Corp. Catalyst for the production of saturated aldehydes. 3,378,501, 4–16–68, Cl. 252—457.

Kawasaki, Tatsuo, and H. Hasegawa, to Matsushita Electronics Corp. Hall-effect device. 3,400,354, 9–3–68, Cl. 338—32.

Kawase, Susumu, J. Kubota, and K. Mori, to Nippon Electric Co. Ltd. Paper feed apparatus for a graphic communication recording station. 3,364,498, 1–16–68, Cl. 346—136.

Kawase, Yasutaka, and S. Yamamoto, to Matsushita Electronic Corp. Photoelectric exposure meter. 3,383,981, 5–21–68, Cl. 88—23.

Kawashima, Masao, T. Higeta, G. Kakehi, and Y. Minejima, to Fujitsu Ltd. DC amplifier stabilization circuit. 3,366,888, 1–30–68, Cl. 330—9.

Kawashima, Masao, and S. Hinoshita, to Fujitsu Ltd. Nonlinear PCM decoder. 3,366,947, 1–30–68, Cl. 340—347.

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Kawata, Toshio. Time switch device for a digital clock. 3,409,748, 11–5–68, Cl. 200—36.

Kawauchi, Akihiro, M. Harada, and A. Tachihara. Fluorescent lamp circuit with a voltage boosting transformer convertible to a variable inductance for current regulation. 3,371,246, 2–27–68, Cl. 315—262.

Kawawa, Takaho, to Nippon Kokan Kabushiki Kaisha. Rotary furnace for continuously refining molten metal. 3,385,585, 5–28–68, Cl. 266—18.

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Kawiecki, Chester J., and W. T. Pranke, Jr., to Joslyn Mfg. and Supply Co. Axial spark gap with a coaxial third electrode adjacent the main axial electrodes. 3,388,274, 6–11–68, Cl. 209—17.

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Kay, Eric, and A. P. Poenisch, to International Business Machines Corp. Cathode sputtering apparatus including precision temperature control of substrate. 3,369,989, 2–20–68, Cl. 204—298.

Kay, Francis X., to Applied Controls Ltd. Fluid connector units. 3,391,703, 7–9–68, Cl. 137—269.

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Kay, Guenter L., to Consolidated Metco, Inc. Fuel-water separation method and apparatus. 3,362,534, 1–9–68, Cl. 210—84.

Kay, James W., and P. Tabolinsky, to Chas. Pfizer & Co., Inc. Masterbatch compositions. 3,361,705, 1–2–68, Cl. 260—37.

Kay, John G., to F. Jos., Lamb Co., Inc. Transfer devices. 3,366,218, 1–30–68, Cl. 198—24.

Kay, Leslie, to National Research Development Corp. Blind aid. 3,366,922, 1–30–68, Cl. 340—1.

Kay, Nicholas L., E. A. Pullen, and C. P. Reeg, to Union Oil Co. of California. Hydrorefining of petroleum wax fractions. 3,365,385, 1–23–68, Cl. 208—27.

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Kaye, Brian H., to IIT Research Institute. Method and apparatus for fractionation of fine particles. 3,394,803, 7–30–68, Cl. 209—17.

Kaye, Charles F. Defrost indicator for frozen food packages. 3,362,834, 1–9–68, Cl. 99—192.

Kaye, Michael C., and C. J. Berry, to Freightliner Corp. Load cell. 3,399,564, 9–3–68, Cl. 73—141.

Kaye, Minton W., to Raypak Co., Inc. Heat exchanger including tube expansion means. 3,380,516, 4–30–68, Cl. 165—81.

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Kayser, Henry G., and E. J. Woodward, Jr., to Industrial Asphalt of California, Inc. Process of preparing a paving composition. 3,394,094, 7–23–68, Cl. 260—28.5.

Kayser, James H., and W. C. Flanagan, Jr., to Minnesota Mining and Mfg. Co. Fastener articles. 3,408,705, 11–5–68, Cl. 24—204.

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Kazan, Benjamin, to Xerox Corp. Scanned conversion tube. 3,407,329, 10–22–68, Cl. 315—12.

Kazan, Benjamin, and J. S. Winslow, to Electro-Optical Systems, Inc. Stacked electrode field effect triode. 3,384,792, 5–21–68, Cl. 317—235.

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Kazlauskas, Gasparas, to North American Rockwell Corp. Internal weld head. 3,395,263, 7–30–68, Cl. 219—125.

Kazlauskas, Gasparas. Welding head. 3,400,237, 9–3–68, Cl. 219—60.

Ke, Bacon, R. W. Treharne, and C. K. McKibben, to Charles F. Kettering Foundation. Flashing-light spectrophotometer with monochromatic monitoring. 3,392,624, 7–16–68, Cl. 88—14.

Keady, Richard J., and S. R. Petersen, to Westinghouse Electric Corp. Adjustable flexible mounting for rotating equipment. 3,379,397, 4–23–68, Cl. 248—20.

Keahl, Gerald T., to Beckman Instruments, Inc. Radiation comparison system. 3,370,503, 2–27–68, Cl. 88—14.

Keahl, Gerald T., and N. J. Van Slooten, to Beckman Instruments, Inc. Circular variable interference filter monochromator. 3,416,864, 12–17–68, Cl. 356—100.

Kean, George C., to Rotax Ltd. Pulse separators. 3,413,558, 11–26–68, Cl. 328—109.

Keane, John J., D. W. Fox, and W. F. H. Borman, to General Electric Co. Modified polyphenylene ethers. 3,375,225, 3–26–68, Cl. 260—47.

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Sedgwick, Robert K., and Sipek. 3,366,248.

Kearns, Brantley F. Protective sleeve for tarpaulin rigging. 3,419,025, 12–31–68, Cl. 135—5.

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Kearns, Joseph. Ball bearing assemblies. 3,361,499, 1–2–68, Cl. 308—201.

Kearns, Tommy C., to Swift & Co. Method of producing monoammonium phosphate by reacting phosphoric acid and ammonia under pressure. 3,419,378, 12–31–68, Cl. 71—34.

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Keast, Russell R., A. R. Wirth, and J. S. Thompson, to FMC Corp. Rapidly disintegrating detergent tablets and method of producing same. 3,367,880, 2–6–68, Cl. 252—135.

Keast, Russell R., and D. S. Corliss, to FMC Corp. Dishwashing detergent preparations containing sodium or potassium dichloroisocyanurate. 3,390,092, 6–25–68, Cl. 252—99.

Keating, Charles A., to General Electric Co. Electron tube manufacture. 3,365,606, 1–23–68, Cl. 313—331.

Keating, Henry M. Coupling frame. 3,415,543, 12–10–68, Cl. 285—24.

Keating, John H., to Standard International Corp. Cooking utensil and method of coating the same with a polytetrafluoroethylene layer. 3,393,086, 7–16–68, Cl. 117—70.

Keating, John H., to Standard International Corp. Method of making a composite metal article. 3,400,010, 9–3–68, Cl. 117—93.3.

Keating, Thomas F., to Carrier Corp. Machine support. 3,369,783, 2–20–68, Cl. 248—19.

Keating, Thomas J., to the United States of America, Army. Device for testing the critical open time of contacts in an electronic circuit. 3,393,360, 7–16–68, Cl. 324—28.

Keatley, William E., and R. W. Silvera, to Dunlop Rubber Co. Ltd. Adjustable actuating means for disc brakes. 3,404,755, 10–8–68, Cl. 188—73.

Keays, Keatinge, and R. L. Colechia, to United States of America, Navy. Automatic buoyancy compensation system. 3,379,156, 4–23–68, Cl. 114—16.

Kebbon, Earl R., to American Bosch Arma Corp. Windshield wiper mechanism. 3,407,427, 10–29–68, Cl. 15—250.17.

Kebelbeck, Melvin J. Golf cart mounted shoe pack. 3,373,911, 3–19–68, Cl. 224—29.

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Keck, Charles R., and P. W. Jordan. Whole body scintillation detector for animal use comprising a plurality of plastic phosphor rectangular logs. 3,376,417, 4–2–68, Cl. 250—71.5.

Keck, Johannes, to Boehringer Ingelheim G.m.b.H. Suppressing coughs and increasing secretion in warm-blooded animals with N-(amino-3,5-dihalobenzyl)-camphidines. 3,408,446, 10–29–68, Cl. 424—267.

Keck, Johannes, to Boehringer Ingelheim G.m.b.H. Quaternary ammonium salts of ajmaline. 3,414,577, 12–3–68, Cl. 260—294.7.

Keck, Julian W. Apparatus for cleaning and inhibiting corrosion in air preheaters and the like. 3,375,981, 4–2–68, Cl. 239—553.3.

Keck, Karl M. Razor having a rotative blade holder. 3,412,464, 11–26–68, Cl. 30—40.

Keck, Max H., and J. R. Wilson, to The Goodyear Tire & Rubber Co. Ethylene glycol-terephthalic acid-dimer acid copolyester resin. 3,390,108, 6–25–68, Cl. 260—7.5.

Keckler, David P., and J. E. Loeffler, Jr., to Diamond Shamrock Corp. Process for preparing acetylene in an electric arc reactor. 3,395,194, 7–30–68, Cl. 260—679.

Keckler, Norman F., and B. L. Johnson, to The Firestone Tire & Rubber Co. Stereospecific polymers of butadiene copolymerized with small amounts of a divinyl compound. 3,363,659, 1–16–68, Cl. 152—330.

Keder, John A., Jr., to United Aircraft Corp. Control mechanism for swivel tail of an aircraft. 3,404,737, 10–8–68, Cl. 170—135.22.

Kedson, Leonard, to Electronic Associates Inc. High gain operational amplifier having constant frequency response characteristics. 3,383,610, 5–14–68, Cl. 330—16.

Kedson, Leonard, and G. F. Tempel, to Electronic Associates, Inc. Stabilized direct coupled transistor amplifier having low intermodulation distortion. 3,361,982, 1–2–68, Cl. 330—9.

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Keefer, George E., to Owens-Illinois, Inc. Apparatus for glazing glass articles. 3,395,008, 7–30–68, Cl. 65—271.

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Keeler Brass Co.: *See*—
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Botjer, John L., Donner, Frye, and Keeler. 3,413,615.

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Snellman, Donald L., and Keeler. 3,388,907.
Snellman, Donald L., and Keeler. 3,414,254.

Keeler, Miner S., II, and R. C. Thompson; said Thompson assor. to Keeler. Vehicle identification responder. 3,389,391, 6–18–68, Cl. 343—6.8.

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Keeling, Kenneth W., to A. F. Wentworth & Associates, Inc. Machine for glazing frozen foods. 3,368,366, 2–13–68, Cl. 62—374.

Keenan, Edward R., to United States of America, Navy. Torpedo launching tube door. 3,395,669, 8–6–68, Cl. 114—238.

Keenan, James J., to General Electric Co. Change of state current limiter having flat plate construction. 3,389,860, 6–18–68, Cl. 337—114.

Keenan, John D., Jr., and W. E. Smith, to Amsco Packaging Machinery, Inc. Bag supporting and retaining means for a packing machine. 3,391,519, 7–9–68, Cl. 53—189.

Keenan, John G., and J. A. H. Scott, to Rolls-Royce Ltd. Radial flow turbine or compressor rotor. 3,412,978, 11–26–68, Cl. 253—39.

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Keenan, Peter P., to Lockheed Aircraft Corp. TM01 mode RF pulse generator. 3,388,287, 6–11–68, Cl. 315—39.
Keenan, Peter P., and F. L. Kelly, to Lockheed Aircraft Corp. Controlled mode plasma diagnostic apparatus. 3,373,357, 3–12–68, Cl. 324—58.5.
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Keene, Charles B.: *See*—
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Keene, Shefford L., and R. T. Palmer, deceased; by S. B. Sinclair, administratrix. Mechanical fan assembly. 3,383,034, 5–14–68, Cl. 230—269.
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Keeney, Bill R., to Halliburton Co. Corrosion inhibitor composition. 3,404,094, 10–1–68, Cl. 252—148.
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Kehe, Alfred W., to Continental Can Co., Inc. Tape sealed container. 3,403,810, 10–1–68, Cl. 220—53.
Kehe, Henry J., to The B. F. Goodrich Co. Ozone resistant composition. 3,362,929, 1–9–68, Cl. 260—45.8.
Kehe, Henry J., to The B. F. Goodrich Co. Composition resistant to ozone. 3,362,930, 1–9–68, Cl. 260—45.8.
Kehler, Paul. Fully tracked vehicle. 3,371,733, 3–5–68, Cl. 180—6.7.
Kehler, Theodor K., to Hoerbiger Ventilwerke Aktiengesellschaft. Method and device for the infinitely variable capacity control of piston-type compressors. 3,415,441, 12–10–68, Cl. 230—22.
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Pryor, Michael J., Keir, and Sperry. 3,368,958.
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Keiser, James D., and D. G. Midyett, to The Central Pharmacal Co. Double alkali metal salt of theophylline and cyclohexanesulfamic acid. 3,378,558, 4–16–68, Cl. 260—253.
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Keister, William, to Bell Telephone Laboratories, Inc. Computer organization employing plural operand storage. 3,409,879, 11–5–68, Cl. 340—172.5.
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Keiter, Alfred, to Olympia Werke AG. Platen having molded tubular portion, end wall and ratchet. 3,393,789, 7–23–68, Cl. 197—144.
Keith, Carl D., P. M. Kenah, and G. Soustruznik, to Engelhard Industries, Inc. Alumina-based catalyst and method of preparing same. 3,361,682, 1–2–68, Cl. 252—464.
Keith, Carl D., and A. J. Haley, Jr., to Engelhard Industries, Inc. Catalytic process for ortho-para hydrogen conversion. 3,383,176, 5–14–68, Cl. 23—210.
Keith, Carl D., and F. J. Mattia, to Engelhard Industries, Inc. Catalytic rocket propulsion method of chemically combining hydrogen and oxygen at low subzero ignition temperatures. 3,407,604, 10–29–68, Cl. 60—217.
Keith, Carl D., K. W. Cornely, and S. G. Hindin, to Engelhard Industries, Inc. Catalysts prepared by impregnation of silica-alumina with aqueous solution of hexathiocyanato platinic acid or ammonium salt thereof. 3,408,285, 10–29–68, Cl. 208—111.
Keith, Clifford H., and K. H. Lillis, to The Mead Corp. Connection for resilient deformable panels. 3,377,090, 4–9–68, Cl. 287—189.36.
Keith, Donald G., to Imperial Chemical Industries of Australia and New Zealand Ltd. Method and apparatus for producing a laminated board. 3,369,065, 2–13–68, Cl. 264—47.
Keith, Donald G., to Imperial Chemical Industries Ltd. Production of laminates. 3,417,168, 12–17–68, Cl. 264—40.
Keith, Frederick W., Jr., to Pennsalt Chemicals Corp. Centrifugal separation of a solids-liquid mixture. 3,388,054, 6–11–68, Cl. 208.33.
Keith, George E., Jr., to General Precision System Inc. Thermochromic display system. 3,396,378, 8–6–68, Cl. 340—324.
Keith, James N., S. F. Musket, and M. J. Klein, to United States of America, Air Force. Triazidoborazole. 3,394,999, 7–30–68, Cl. 23—358.
Keith, John V., and H. H. Richter, to Leesona Corp. Strand control apparatus. 3,393,880, 7–23–68, Cl. 242—45.
Keith, Percival C., and M. C. Chervenak, to Hydrocarbon Research, Inc. Hydrocracking of distillates. 3,414,505, 12–3–68, Cl. 208—108.
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Keith, Willis C., and R. P. Zmitrovis, to Sinclair Research, Inc. Preparation of 2-phenyl-allyl-chloride. 3,361,835, 1–2–68, Cl. 260—651.
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Yeager, John R. 3,399,339.
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Kelch, Heinz, and S. Spauszus. Taxi meter. 3,388,859, 6–18–68, Cl. 235—30.
Kelch, Richard D., to United States of America, Army. Wideband amplifier. 3,375,458, 3–26–68, Cl. 330—43.

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Hunter, Austin R. 3,365,305.
McNeely, William H. 3,391,060.
McNeely, William H. 3,391,061.
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Dischert, Robert A., and Kellaway. 3,368,034.

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Keller, Charles H., to Pek Labs., Inc. Self-starting arc lamp. 3,377,497, 4–9–68, Cl. 313—184.

Keller, Charles L., to United States of America, Army. Method and device for measuring the rotation of a body. 3,372,596, 3–12–68, Cl. 73—505.

Keller, Clara M. Floating target and disc game apparatus. 3,403,907, 10–1–68, Cl. 273—95.

Keller, Dennis B., to Salem Valve Co. Three-position fluid actuators for valves and the like. 3,364,943, 1–23–68, Cl. 137—596.18.

Keller, Dwight P., to Reynolds Metals Co. Pot shell for fused bath electrolysis. 3,400,068, 9–3–68, Cl. 204—243.

Keller, Edwin G., to International Harvester Co. Face seal. 3,372,940, 3–12–68, Cl. 277—92.

Keller, Ernest A., to Motorola, Inc. Bearing measurement system. 3,383,690, 5–14–68, Cl. 343—113.

Keller, Ernest A., to Motorola, Inc. Range and bearing measurement system. 3,408,649, 10–29–68, Cl. 343—13.

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Keller, Hans-Otto, to Maschinenfabrik Moenus A.G. Fully automatic machine for the working of sole edges on crude soles. 3,397,415, 8–20–68, Cl. 12—86.65.

Keller, Henry G., to FMC Corp. Power transmitting chain. 3,407,672, 10–29–68, Cl. 74—236.

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Keller, Herbert W., and H. N. Andrews, to Westinghouse Electric Corp. Fuel assembly for a neutronic reactor. 3,368,945, 2–13–68, Cl. 176—77.

Keller, Howard F., Jr. Separation of hydrogen sulfide and mercaptans from fluid streams. 3,401,101, 9–10–68, Cl. 204—136.

Keller, John D., to Bausch & Lomb Inc. Density measuring system having optical wedge to vary length of light path. 3,381,135, 4–30–68, Cl. 250—218.

Keller, John D., to Bausch & Lomb Inc. Apparatus for absorption spectrochemical analysis. 3,386,331, 6–4–68, Cl. 88—14.

Keller, Kurt, to Escher Wyss Aktiengesellschaft. Thermal power plant with MHD generator. 3,373,299, 3–12–68, Cl. 310—11.

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Keller, Norbert L., and J. T. Cornillaud, to General Motors Corp. Duo-servo parking brake combined with non-servo service brake. 3,400,787, 9–10–68, Cl. 188—106.

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Keller, Robert C., to General Motors Corp. Backlash reducing mechanism. 3,373,625, 3–19–68, Cl. 74—409.

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Keller, Wolfgang, to Siemens Aktiengesellschaft. Method and apparatus for increasing the cross section of a crystalline rod during crucible-free zone melting. 3,414,388, 12–3–68, Cl. 23—301.

Kellerhals, Erwin, to Carl Sigerist & Cie. Swinging doors. 3,377,748, 4–16–68, Cl. 49—501.

Kellerhals, Erwin, to Carl Sigerist & Cie. Swinging doors and door leaves. 3,404,486, 10–8–68, Cl. 49—386.

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Kelley, Arnold E., to Union Oil Co. of California. Integral hydrofining-hydrocracking process. 3,365,391, 1–23–67, Cl. 208—89.

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Kelley, Carl S., to Phillips Petroleum Co. Manufacturing town gas from liquefied natural gas. 3,419,369, 12–31–68, Cl. 48—196.

Kelley, Carl S., E. J. Cabanaw, and V. A. Cawl, to Phillips Petroleum Co. Fractionation and conversion of a naphtha fraction. 3,384,570, 5–21–68, Cl. 208—79.

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Kelley, Douglas J., to United States of America, Army. Stripline variable phase shifter having means to maintain a constant characteristic impedance. 3,405,375, 10–8–68, Cl. 333—31.

Kelley, Edwin F., and F. J. Thomas, to Manley, Inc. Automatic corn press. 3,379,143, 4–23–68, Cl. 107—14.

Kelley, Everett J., to Rohm & Haas Co. Monomers and polymers of N-(acryloxyalkyl) acylamides and methods of making them. 3,366,613, 1–30–68, Cl. 260—89.5.

Kelley, Everett J., to Rohm & Haas Co. 5-(4-acryloxyalkyl)-hydantoins and polymers thereof. 3,369,010, 2–13–68, Cl. 260—86.1.

Kelley, Everett J., to Rohm & Haas Co. 5-(4-acryloxyalkyl)-hydantoins. 3,374,242, 3–19–68, Cl. 260—309.5.

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Kelley, Jerry O., to Cart-Trac, Inc. Reversing sound tape reel. 3,411,730, 11–19–68, Cl. 242—55.13.
Kelley, Jerry O., to Cart-Trac, Inc. Flip-flop sound tape cartridge. 3,411,731, 11–19–68, Cl. 242—55.13.
Kelley, Joseph J., Jr. String tension adjustment for steel guitars. 3,390,600, 7–2–68, Cl. 84—312.
Kelley, Kork and R. K. Liquid control for gas wells. 3,410,217, 11–12–68, Cl. 103—52.
Kelley, Kork and R. K., and E. G. Blake. Gas lift valve. 3,363,581, 1–16–68, Cl. 103—232.
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Kelley, Ray H. 3,417,448.
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Kelley, Theron R., to Tedan, Inc. Pushbutton can closure. 3,374,921, 3–26–68, Cl. 220—60.
Kelley, Thomas M., and G. C. Underwood. Flip-top folding voting booth. 3,389,947, 6–25–68, Cl. 312—258.
Kelley, Thomas R., to I-T-E Circuit Breaker Co. Regulation system for multiple D-C sources. 3,384,758, 5–21–68, Cl. 307—77.
Kelley, William E., and J. Smith, to Aquarium Systems, Inc. Culture system. 3,387,587, 6–11–68, Cl. 119—2.
Kellie, Edward P., to AC & R Components, Inc. Suction accumulator. 3,370,440, 2–27–68, Cl. 62—503.
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Simpson, Warren O., and Bridges. 3,366,311.
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Kellogg, Thomas W., to Design Properties, Inc. Self-closing container. 3,405,849, 10–15–68, Cl. 222—498.
Kells, Edward L., and B. S. Washburn, to Chicago Bridge & Iron Co. Grease burner. 3,362,359, 1–9–68, Cl. 110—8.
Kells, Milton C., to the United States of America, National Aeronautics and Space Administration. Device for measuring pressure. 3,392,586, 7–16–68, Cl. 73—400.
Kelly, Allan C., H. J. Ducote, and L. R. Barsotti, to Kaiser Aluminum & Chemical Corp. Method for preparing an alpha alumina catalyst support. 3,392,125, 7–9–68, Cl. 252—461.
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Kelly, Charles R., to United States Steel Corp. Electron-beam gun. 3,388,279, 6–11–68, Cl. 313—279.
Kelly, Clifford J., S. W. Snyder, and J. L. Jamieson, to Kalium Chemicals Ltd. Recovery of potassium chloride from sodium chloride solution. 3,365,278, 1–23–68, Cl. 23—296.
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Kelly, Daniel A., to Graham-White Sales Corp. Hingeless ventilator. 3,372,631, 3–12–68, Cl. 98—2.
Kelly, Donald A. Rotary stirling cycle engines. 3,370,418, 2–27–68, Cl. 60—24.
Kelly, Donald A. Stirling cycle engine with two wave cam means, two piston banks and drivesbaft. 3,385,051, 5–28–68, Cl. 60—24.
Kelly, Donald A. Stirling cycle engine with wave-cam means interconnecting pistons and drive shaft thereof. 3,403,508, 10–1–68, Cl. 60—24.
Kelly, Donald A. High pressure stirling cycle engines. 3,405,521, 10–15–68, Cl. 60—24.
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Kelly, Donald H., and A. W. Yodis, to Allied Chemical Corp. Process for decomposition of aluminum nitrate nonahydrate. 3,366,446, 1–30–68, Cl. 23—143.
Kelly, Douglas E., to The Dole Valve Co. Vacuum ported switch. 3,400,698, 9–10–68, Cl. 123—117.
Kelly, Douglas E., to The Dole Valve Co. Pilot controlled pressure operated waterline thermostat. 3,402,888, 9–24–68, Cl. 236—34.
Kelly, Earl M. Salvaging apparatus. 3,411,277, 11–19–68, Cl. 56—28.
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Kelly, Edgar J., to American Colloid Co. Method and apparatus for blending pulverulent materials. 3,409,273, 11–5–68, Cl. 259—4.
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Kelly, Francis J., and F. Przybyla, to Mallory Battery Co. of Canada Ltd. Method of making porous zinc structures. 3,380,822, 4–30–68, Cl. 75—214.
Kelly, Francis J., and F. Przybyla, to Mallory Battery Co. of Canada Ltd. Method of making a sintered zinc battery anode structure. 3,384,482, 5–21–68, Cl. 75—201.
Kelly, Frank L.: *See*—
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Kelly, Frank M., to Aluminum Co. of America. Apparatus for sealing containers. 3,369,340, 2–20–68, Cl. 53—109.
Kelly, Franklin, to TRW Inc. Thermal valve. 3,391,728, 7–9–68, Cl. 165—32.
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Kelly, Herbert C., Jr. Education distillation system for treating salt water to produce fresh water. 3,414,481, 12–3–68, Cl. 202—234.
Kelly, Jack L., and R. K. Wiandt, to General Electric Co. Dual detent mechanism for a portable recorder-reproducer. 3,375,011, 3–26–68, Cl. 274—23.
Kelly, Jack L., and R. K. Wiandt, to General Electric Co. Turntable bearing structure. 3,413,007, 11–26–68, Cl. 274—39.1.
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Kelly, Joe T., to Marathon Oil Co. Removal of discolorants from chromate oxidation products. 3,413,342, 11–26–68, Cl. 260—524.
Kelly, Joe T., to Marathon Oil Co. Process for removing discoloring agents from the products of chromate oxidation. 3,413,343, 11–26–68, Cl. 260—524.
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Kelly, Joseph F., and M. E. McCrea, to International Telephone and Telegraph Corp. Electrical connector. 3,393,927, 7–23–68, Cl. 285—23.
Kelly, Joseph P., and G. H. Fuller, to Colgate-Palmolive Co. Air freshener. 3,371,984, 3–5–68, Cl. 21—53.

Kelly, Kenneth K., and J. S. Matthews, to Gulf Research & Development Co. Process for purifying 2-(1-cyclohexenyl) cyclohexanone by fractional crystallization. 3,397,239, 8–13–68, Cl. 260—586.
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Kelly, Peter B., and G. D. Edwards, to Jefferson Chemical Co., Inc. Pipe sealant compositions. 3,391,101, 7–2–68, Cl. 260—37.
Kelly, Raymond E., to United States of America, Navy. Symmetrical self-aliming cable fairing. 3,368,514, 2–13–68, Cl. 114—235.
Kelly, Richard L., to Gulf Oil Corp. 4-oxa-17-hexacosenamide. 3,394,180, 7–23–68, Cl. 260—561.
Kelly, Robert F., W. H. Myers, W. H. Hazlett, Jr., L. R. Drum, and G. A. Gimber, to United States of America, Navy. Ministore launching system. 3,387,536, 6–11–68, Cl. 89—1.5.
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Kelly, Russell J., C. L. Shirley, Jr., and H. Rosen, to Sanders Associates, Inc. Extensible fuse extender. 3,388,664, 6–18–68, Cl. 102—7.4.
Kelly, Samuel T., to Robertshaw Controls Co. Pressure regulator. 3,386,469, 6–4–68, Cl. 137—505.38.
Kelly, Samuel T., to Robertshaw Controls Co. Control means having outlet pressure sensing means. 3,388,717, 6–18–68, Cl. 137—484.2.
Kelly, Stanley R., and J. M. Smith, to The Ensign-Bickford Co. Dormant explosive device and method for its fabrication and activation. 3,381,568, 5–7–68, Cl. 86—1.
Kelly, Thomas E., and F. Bigger, to United States of America, Navy. Muffler and diffuser for underwater diving. 3,374,855, 3–26–68, Cl. 181—36.
Kelly, Timothy A., and D. R. Altice. One-way hingeless ventilator. 3,375,772, 4–2–68, Cl. 98—2.
Kelly, Walter R., and W. T. Lauder, to Allied Chemical Corp. Chromizing compositions and methods and continuous production of chromium halides for chromizing. 3,414,428, 12–3–68, Cl. 117—66.
Kelly, Warner M., and J. E. Reagan, to Otis Engineering Corp. Lateral flow duct and flow control device for wells. 3,395,758, 8–6–68, Cl. 166—100.
Kelly, William, and G. H. Levey. Fluid valve having low wear and wear-compensation characteristics. 3,410,523, 11–12–68, Cl. 251—315.
Kelly, William A., and P. J. Petix, to Lever Brothers Co. Method for making multi-colored soap bars. 3,398,219, 8–20–68, Cl. 264—102.
Kelly, William D. Multiconductor cable and method of forming the same. 3,404,217, 10–1–68, Cl. 174—103.
Kelly, William E., to The Thomas & Betts Co., Inc. Rotatable floor outlet box. 3,395,243, 7–30–68, Cl. 174—48.
Kelly, William F. Shoeshine machines. 3,396,418, 8–13–68, Cl. 15—31.
Kelly, William F. Anchors for stressed cables. 3,399,434, 9–3–68, Cl. 24—126.
Kelly, William F. Apparatus for post-tensioning prestressed concrete. 3,399,437, 9–3–68, Cl. 25—118.
Kelly, William F. Jacking apparatus for post-tensioning concrete. 3,399,865, 9–3–68, Cl. 254—29.
Kelly, William S., F. M. Weidling, and R. A. Hemphill, to United States of America, Atomic Energy Commission. Dumping construction. 3,397,813, 8–20–68, Cl. 220—55.
Kelly, William T., L. B. Hornberger, and M. J. Strief, to Beckman Instruments, Inc. Cermet resistors, their composition and method of manufacture. 3,416,960, 12–17–68, Cl. 117—224.
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Kelsay, Holt C. Seat belt retractor catch. 3,392,932, 7–16–68, Cl. 242—107.2.
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Kelsey, Cadwallader W., to Skycar, Inc. Vertical takeoff aircraft. 3,387,801, 6–11–68, Cl. 244—23.
Kelsey, Christopher G., to Data Resolved Tools Pty. Ltd. Data transmission means. 3,366,934, 1–30–68, Cl. 340—172.5.
Kelsey, Christopher G., to Data Resolved Tools, Pty., Ltd. Means and method for the construction of tools. 3,375,568, 4–2–68, Cl. 29—407.
Kelsey, Edward L., to Phillips Petroleum Co. Apparatus for testing electrical circuit boards. 3,409,828, 11–5–68, Cl. 324—73.
Kelsey, Ernest S., to Northern Electric Co. Ltd. Doubly reflecting latticed antenna. 3,370,295, 2–20–68, Cl. 343—781.
Kelsey, Ernest S., to Northern Electric Co. Ltd. Transformer circuit with direct current flux cancellation. 3,384,810, 5–21–68, Cl. 323—48.
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Rozmus, Matt T. 3,372,612.
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Rozmus, Walter J. 3,372,480.
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Swift, Harvey C. 3,365,031.
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Kelsey, James D., to Cooper Industries, Inc. Pump unloading device. 3,366,062, 1–30–68, Cl. 103—11.
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Kemeny, George A., Westinghouse Electric Corp. Electrode tip failure detector. 3,378,621, 4–16–68, Cl. 13—18.
Kemeny, George A., and R. R. Akers, to Westinghouse Electric Corp. Pneumatic detection of wear and failure of an electrode tip. 3,369,069, 2–13–68, Cl. 13—18.
Kemeny, George A., and P. F. Klenast, to Westinghouse Electric Corp. Apparatus for establishing and maintaining an atmosphere controlled as to pressure, temperature, gas content and rate of gas flow, and closed and semi-closed arc heater loop apparatus for use therein. 3,371,189, 2–27–68, Cl. 219—383.

Kemeny, George A., and C. B. Wolf, to Westinghouse Electric Corp. Arc-heater apparatus with magnetic yoke. 3,379,908, 4-23-68, Cl. 313—19.
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Kemp, Bobbie G. Centrifugal refrigeration machine with plural motors. 3,389,577, 6-25-68, Cl. 62—499.
Kemp, John H., Jr. Apparatus for stacking pallets. 3,401,808, 9-17-68, Cl. 214—6.
Kemp, Kenneth A. W., to C.A.V. Ltd. Fluid pressure regulating valves. 3,405,640, 10-15-68, Cl. 103—5.
Kemp, Kenneth A. W., to C.A.V., Ltd. Liquid fuel pumping apparatus for supplying fuel to multi-cylinder internal combustion engines. 3,410,216, 11-12-68, Cl. 103—2.
Kemp, Kenneth A. W., to C.A.V. Ltd. Liquid fuel pumps. 3,412,682, 11-26-68, Cl. 103—2.
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Kemp, Paul G. All-plastic milk bottles. 3,404,795, 10-8-68, Cl. 215—100.
Kemp, Robert B., Jr. Process and apparatus for drying photographic prints. 3,404,463, 10-8-68, Cl. 34—23.
Kemp, Willard E., and W. J. Barbier, to ACF Industries, Inc. Hopper metering apparatus. Re. 26,424, 7-16-68, Cl. 302—52.
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Kempenaers, Louis, to North American Philips Co. Inc. Method of dividing a body comprising a number of electric circuit elements into parts. 3,417,642, 12-24-68, Cl. 83—13.
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Kemper, Charles R. Porous film and method of making. 3,375,209, 3-26-68, Cl. 260—2.5.
Kemper, Charles R. Porous film and method of making. 3,379,658, 4-23-68, Cl. 260—2.5.
Kemper, Harry L., and G. F. Rogalsky, Jr., to Somat Corp. Liquid extracting device. 3,394,649, 7-30-68, Cl. 100—43.
Kemper, James M., to Westinghouse Air Brake Co. Cable reel control mechanism. 3,380,545, 4-30-68, Cl. 180—2.
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Kent, George A., to Canadian Patents and Development Ltd. Recovery of high purity magnesium oxide and calcium oxide from magnesite and calcite ores. 3,411,880, 11–19–68, Cl. 23—186.
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Kersnar, Paul W., and S. Taormina, to Progressive Products Co. Less than fully propylated (beta hydroxy propyl) ethylene diamine and method of preparation thereof. 3,398,198, 8–20–68, Cl. 260—584.
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Swain, Arthur B., Jr., and Keshari. 3,364,041.
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Kessler, Louis J. and J., to Industrial Marking Equipment Co., Inc. Machine for sequentially printing on flat surfaces. 3,382,797, 5–14–68, Cl. 101—279.
Kessler, Marvin D. Resilient plastic shoe heel protector. 3,414,990, 12–10–68, Cl. 36—73.
Kessler, Michael H., to Westinghouse Electric Corp. Shelf and shelf support structure. 3,375,936, 4–2–68, Cl. 211—176.
Kessler, Michael H., to Westinghouse Electric Corp. Refrigeration apparatus cabinet construction. 3,380,615, 4–30–68, Cl. 220—9.
Kessler, Michael H., to Westinghouse Electric Corp. Door and hinge arrangement. 3,402,508, 9–24–68, Cl. 49—386.

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Kessler, Milton. Plastic false muntin for windows. 3,411,258, 11–19–68, Cl. 52—456.
Kessler, Reinhard: *See*—
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Kessler, Seymour, to Zenith Radio Corp. Electrical relay. 3,373,385, 3–12–68, Cl. 335—138.
Kessler, Seymour, to Zenith Radio Corp. Cartridge mounting assembly. 3,373,996, 3–19–68, Cl. 274—24.
Kessler, Werner, and B. Iselin, to Ciba Corp. Process for the selective removal of substituted phenylsulfenyl protective groups in the synthesis of peptides. 3,390,144, 6–25–68, Cl. 260—112.5.
Kesslin, George, S. L. Bearman, and M. M. Lewis, to Kay-Fries Chemicals, Inc. Process for producing cyanoacetic acid. 3,375,268, 3–26–68, Cl. 260—465.4.
Kesslin, George and R. W. Handy, to Kay-Fries Chemicals, Inc. Preparation of trioxabicyclo octanes. 3,415,846, 12–10–68, Cl. 260—340.7.
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Kester, Harry F., and P. R. Wollett, to Phillips Petroleum Co. Process and apparatus for the production of carbon black. 3,401,020, 9–10–68, Cl. 23—209.4.
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Ketch-All Co.: *See*—
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Ketcham, George M., to General Dynamics Corp. Method and inductive apparatus for measuring fluid conductivity with temperature compensating means. 3,389,332, 6–18–68, Cl. 324—30.
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Ketchledge, Raymond W., to Bell Telephone Laboratories, Inc. Automatic gain control system. 3,395,357, 7–30–68, Cl. 330—29.
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Lehrer, Norman H., and Ketchpel. 3,398,021.
Ketelsen, Broder L., to Fischer & Porter Co. Electromagnetic flowmeter. 3,373,608, 3–19–68. Cl. 73—194.
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Ketley, Arthur D. 1,1-dichloro-2-vinyl cyclopropane polymer and a process for polymerizing same. 3,367,902, 2–6–68, Cl. 260—33.6.
Keto, Jorma R., to United States of America, Army. Pure fluid device for isolating steady flow and for clipping transient signals. 3,401,710, 9–17–68, Cl. 137—81.5.
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Ketterer, Stanley J., to The Singer Co. Loop taker for sewing machines. 3,390,653, 7–2–68, Cl. 112—228.
Ketterer, Stanley J., to The Singer Co. Bobbin thread replenishing mechanism for sewing machines. 3,407,760, 10–29–68, Cl. 112—184.
Ketterer, Stanley J., and N. E. Zacher, to The Singer Co. Thread tensioning device for sewing machines. 3,366,083, 1–30–68, Cl. 112—254.
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Kettler, Charles L., J. A. Walston, and M. E. Jones, to Texas Instruments Inc. Training adjusted decision system using spatial storage with energy beam scanned read-out. 3,408,627, 10–29–68, Cl. 340—172.5.
Kettler, Paul E. Tractor cabins. 3,410,599, 11–12–68, Cl. 296—28.
Kettley, Arthur W., W. B. Macurdy, D. Muir, III, and U. K. Stagg, Jr., to Bell Telephone Laboratories, Inc. Data processor control utilizing tandem signal operations. 3,370,274, 2–20–68, Cl. 340—172.5.
Ketyuk, Theodore S., and R. A. Brenner, to Whirlpool Corp. Variable speed tumbling dryer. 3,365,810, 1–30–68, Cl. 34—12.
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Keyes, Marion A., and R. J. Farrell, to Beloit Corp. Reducing sheet breaks at roll coaters. 3,380,431, 4–30–68, Cl. 118—8.
Keyes, Raymond S., by Kirkhof Mfg. Corp. Forming method. Re. 26,413, 6–25–68, Cl. 264—89.
Keyes, William C., to The Carborundum Co. Belt sanding and polishing machines. 3,364,626, 1–23–68, Cl. 51—138.
Keyes, William C., to The Carborundum Co. Belt sanding and polishing machine. 3,400,493, 9–10–68, Cl. 51—138.
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Keylwert, Johann, to Klockner-Humboldt-Deutz Aktiengesellschaft. Rotary piston internal combustion engine, especially circular piston internal combustion engine. 3,366,317, 1–30–68, Cl. 230—145.
Keylwert, Johann, to Klockner-Humboldt-Deutz Aktiengesellschaft. Rotary piston engine, especially circular piston internal combustion engine. 3,413,961, 12–3–68, Cl. 123—8.
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Keys, Richard V., to Globe-Union, Inc. Solar cell module. 3,378,407, 4–16–68. Cl. 136—89.
Keyser, Johan J. Method and apparatus for use in connection with pre-spinning, spinning and twisting. 3,406,510, 10–22–68, Cl. 57—58.49.
Keyser, Lewis R., to Price Bros. Co. Reinforced concrete pipe. 3,411,544, 11–19–68, Cl. 138—175.
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Keyser, Naaman H., T. J. Dyrdek, and R. A. Leeper, to Interlake Steel Corp. Process for the production of manganese-silicon alloys. 3,369,887, 2–20–68, Cl. 75—10.
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Keyt, Robert L., and C. L. Meteer, to Universal Moulded Fiber Glass Corp. Method of applying a fiber reinforced resin layer to each side of a temporarily, assembled pair of panels. 3,367,821, 2–6–68, Cl. 156—250.
Keyt, Robert L., and A. H. Ingle, to Koppers Co., Inc. Method of making tubular fiber reinforced resin articles. 3,408,241, 10–29–68, Cl. 156—173.
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Khan, Amanullah R., B. E. Eakin, and P. J. Anderson, to Institute of Gas Technology. Vapor barrier means for underground storage syatem. 3,396,539, 8–13–68, Cl. 61—.5.
Khan, Amanullah R., B. E. Eakin, and P. J. Anderson, to Institute of Gas Technology. Underground cavern storage for liquefied gases near atmospheric pressure. 3,407,606, 10–29–68, Cl. 61—.5.
Khan, Amanullah R., B. E. Eakin, and P. J. Anderson, to Institute of Gas Technology. Insulating means for underground storage system. 3,418,812, 12–31–68, Cl. 61—5.
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Khoury, Nick S., to Continental Can Co., Inc. Pull tab for easy opening can end. 3,366,270, 1–30–68, Cl. 220—54.
Khoury, Nick S., to Continental Can Co., Inc. Easy opening scored can body with pull tab. 3,390,805, 7–2–68, Cl. 220—54.
Khoury, Nick S., to Continental Can Co., Inc. Protection bead for easy opening can ends. 3,400,852, 9–10–68, Cl. 220—54.
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Kibler, Louis E., Jr.: *See*—
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Kibler, Louis E., Sr., and L. E. Kibler, Jr., to A. K. Robins and Co. Inc. Mushroom cutter and trimmer. 3,382,903, 5–14–68, Cl. 146—78.
Kibler, Lynden U., to Bell Telephone Laboratories, Inc. Field effect transistor product modulator. 3,371,290, 2–27–68, Cl. 332—23.
Kibler, Willis L., to The Delman Co. Air conditioner and defroster system. 3,363,671, 1–16–68, Cl. 165—2.
Kibler, Willis L., to The Delman Co. Vehicle light control system to de-energize the light circuit a pre-determined time after the ignition is de-energized. 3,388,288, 6–11–68, Cl. 315—77.
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Kidd, Joseph V., to Helmerich & Payne, Inc. Seal for floating tank roof. 3,373,891, 3–19–68, Cl. 220—26.
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Kidder, Wayne B., to General Motors Corp. Engine exhaust fluid flow control valve. 3,406,903, 10–22–68, Cl. 236—102.
Kide, Leif Aa., to Aktiebolaget Tudor. Electrostatic precipitator control circuit. 3,374,609, 3–26–68, Cl. 55—105.
Kidgell, David J., and F. A. Beaha, to International Business Machines Corp. Apparatus for making saw blades. 3,399,-649, 9–3–68, Cl. 118—47.
Kidger, David P., to National Biscuit Co. Compound coatings. 3,361,568, 1–2–68, Cl. 99—23.
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Kiefer, Leo A., and K. E. Lehrke, to Gray Co. Inc. Control apparatus for fluid distribution system. 3,415,274, 12–10–68, Cl. 137—551.
Kieft, Roy T., and J. M. Roeh. Boat dock assembly. 3,389,675, 6–25–68, Cl. 114—230.
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Kiehn, Mogens, to Kiehn Products Co. Motorized combined invalid walker and lift device. 3,397,883, 8–20–68, Cl. 272—70.3.
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Kielsmeier, Elwood W., and W. D. Paynter, to Oscar Mayer & Co., Inc. Apparatus for forming collagen fiber coated products. 3,399,423, 9–3–68, Cl. 17—35.
Kielsmeier, Elwood W., F. E. Kasbaum, W. D. Paynter, and J. E. Anderson, to Oscar Mayer & Co., Inc. Method and apparatus for making sausage products. 3,404,430, 10–8–68, Cl. 17—45.
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Kiene, Ralph E., Jr. Current actuated switch for cash register. 3,412,395, 11–19–68, Cl. 340—421.
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Kinzelman, Gerald W., to United States of America, Army. Failsafe fuze setting system. 3,371,579, 3–5–68, Cl. 89—6.

Kinzler, Gustav A., to Minigrip, Inc. Plastic film shopping bag. 3,402,749, 9–24–68, Cl. 150—3.

Kirajewski, Ryszard: *See*—
Reeves, Alex H., Cattermole, and Kitajewski. 3,399,403.

Kiralfy, Alexander E. Dial reading calipers. 3,386,173, 6–4–68, Cl. 33—148.

Kirby, Charles A., to Allied Building Components Inc. Pivoting door mounting assembly. 3,368,236, 2–13–68, Cl. 16—131.

Kirby, Charles A., to Allied Building Components, Inc. Folding door assembly and mounting units therefor. 3,391,723, 7–9–68, Cl. 160—206.

Kirby, David: *See*—
Lowe, James N., Reyntiens, and Kirby. 3,381,066.

Kirby, Dorothy Y. Stitching and seam guide for sewing machines. 3,401,658, 9–17–68, Cl. 112—153.

Kirby, Edward, to United-Carr Inc. Slidable test jack. 3,409,860, 11–5–68, Cl. 339—121.

Kirby, Fred E.: *See*—
Fingerut, Boris M., and Kirby. 3,370,722.

Kirby, James B. Tooth-cleaning and massaging device. 3,368,553, 2–13–68, Cl. 128—62.

Kirby, Keith R. T., to Kirby's (Engineers) Ltd. Apparatus for feeding blanks of cardboard or analogous sheet material to machinery for operating on the blanks so fed. 3,377,063, 4–9–68, Cl. 271—14.

Kirby, Robert A., to Esso Production Research Co. System for measuring change in fluid pressure. 3,386,285, 6–4–68, Cl. 73—152.

Kirby, Roy K., and C. D. Wicker, to United States of America, Atomic Energy Commission. Adjusting device for remote control manipulators. 3,365,978, 1–30–68, Cl. 74—501.

Kirby, Thomas E., Jr.: *See*—
Becker, William C., Bailey, and Kirby. 3,403,779.

Kirby, Thomas E., Jr., to Reynolds Metals Co. Carrier for container means and package utilizing such a carrier. 3,404,773, 10–8–68, Cl. 206—65.

Kirby's (Engineers) Ltd.: *See*—
Kirby, Keith R. T. 3,377,063.

Kirch, Paul W. Applicatory-liquid feeding and applying apparatus. 3,418,054, 12–24–68, Cl. 401—188.

Kirchberger, Walter C., and D. E. Nelson, to Globe-Union Inc. Piercing punch device. 3,380,160, 4–30–68, Cl. 30—362.

Kirchberger, Walter C., and W. H. Rietz, to Globe-Union, Inc. Piercing punch apparatus. 3,385,151, 5–28–68, Cl. 83—513.

Kirchdoerfer, Herman. Tongue depressor. 3,397,687, 8–20–68, Cl. 128—15.

Kircher, Everett F. Ski lift control mechanism. 3,401,643, 9–17–68, Cl. 104—173.

Kircher, John G., J. L. McFarling, R. E. Wyant, and E. J. Kahler, to United States of America, Atomic Energy Commission. Method of preparing organotin compounds. 3,397,131, 8–13–68, Cl. 204—158.

Kircher, Morton S., to Hooker Chemical Corp. Cylindrical anode electrolytic structure. 3,404,083, 10–1–68, Cl. 204—272.

Kirchner, Frederick K., and A. W. Zalay, to Sterling Drug Inc. Certain alkyl and aryl substituted 3-amino-2,3-dihydro-4(1H)-quinazolinones. 3,375,250, 3–26–68, Cl. 260—256.4.

Kirchner, Herbert: *See*—
Karig, Erhardt, and Kirchner. 3,368,426.

Kirchner, Herbert, to Reimers-Getriebe AG. Infinitely variable, hydraulically controlled transmissions for motor vehicles. 3,395,586, 8–6–68, Cl. 74—230.17.

Kirchner, Ilse: *See*—
Wohlmeyer, Josef. 3,379,024.

Kirchner, Willi: *See*—
Korrenn, Heinz, and Kirchner. 3,367,729.

Kirchner, Willi, and G. Braune, to Kugelfischer Georg Schafer & Co. Precision machine tool. 3,362,112, 1–9–68, Cl. 51—332.

Kirchof, Fred. Social correspondence card construction. 3,390,825, 9–3–68, Cl. 229—92.8.

Kirichinsky, Igor I.: *See*—
Ivanov, Konstantin P., Kirichinsky, and Butuzov. 3,377,829.

Kirihara, Shigeki: *See*—
Ishida, Shuichi, Kirihara, and Usukura. 3,388,167.

Kirikos, Nicholas, ½ to Arthur D. Jordan. Golf tee having a vertically adjustable ground engaging stop member. 3,408,079, 10–29–68, Cl. 273—202.

Kirk & Blum Mfg. Co., The: *See*—
Werner, Robert B., and Harmon. 3,377,940.

Kirk, Charles C.: *See*—
Gregorian, Razmic S., and Kirk. 3,376,238.

Kirk, Charles C., R. S. Gregorian, and F. X. Werber, to W. R. Grace & Co. Film comprising polyethylene and an ethylene-vinyl acetate copolymer. 3,399,250, 8–27–68, Cl. 260—897.

Kirk, Colin J., to Martonair Ltd. Pneumatic motor of the reciprocable type. 3,412,645, 11–26–68, Cl. 91—26.

Kirk, Fred J., to Dennison Mfg. Co. Mold for making an attachment device. 3,380,122, 4–30–68, Cl. 18—42.

Kirk, G. R., Co.: *See*—
Raymond, Gary L. and Gerald L. 3,412,523.

Kirk, George A.: *See*—
Philibert, Robert A., Browne, Sanger, and Kirk. 3,419,756.

Kirk, Harold L.: *See*—
Norton, John P., and Kirk. 3,365,133.

Kirk, Joseph R., to Atwood Vacuum Machine Co. Foot-operated, hand-released parking brake. 26,372, 4–9–68, Cl. 74—540.

Kirk, Larry D.: *See*—
Mustakas, Gus C., and Kirk. 3,391,000.
Mustakas, Gus C., and Kirk. 3,392,026.

Kirk, Mahlon R., and R. A. Clift, to Scott Paper Co. Process for coating paper with a heat flocculatable latex-based composition and the resultant product. 3,377,192, 4–9–68, Cl. 117—64.

Kirk, Norbert A. Ball point pens. 3,419,336, 12–31–68, Cl. 401—111.

Kirk, Peter Geoffrey: *See*—
Bondy, Herbert F., Williams, and Kirk. 3,417,150.

Kirk, Robert S., and K. C. Hong, to Chevron Research Co. Method and apparatus for igniting underground formations. 3,376,928, 4–9–68, Cl. 166—38.

Kirk, Stella: *See*—
Philbert, Robert A., Browne, Sanger, and Kirk. 3,419,756.

Kirk, Thomas E., and D. J. Hartman, to General Motors Corp. Semiconductor voltage regulator. 3,364,416, 1–16–68, Cl. 322—59.

Kirkbride, Willis J.: *See*—
Bick, Gerald J., and Kirkbride. 3,396,897.

Kirkendall, Robert K., to Mobay Chemical Co. Stabilized polycarbonates. 3,367,958, 2–6–68, Cl. 260—45.8.

Kirkendall, William D., to Weston Instruments, Inc. Variable resistors. 3,369,208, 2–13–68, Cl. 338—174.

Kirkham, Arthur J. Tent support and method of erection. 3,367,348, 2–6–68, Cl. 135—4.

Kirkham, Arthur J. Tents and methods of erection. 3,371,671, 3–5–68, Cl. 135—1.

Kirkham, Edward E.: *See*—
Renteler, Johann F., and Kirkham. 3,414,787.

Kirkham, Floyd L., to General Electric Co. Means for automatically indexing and replacing cutter inserts. 3,368,265, 2–13–68, Cl. 29—200.

Kirkhill Inc.: *See*—
Harold, Robert E. 3,369,259.

Kirkhof Mfg. Corp.: *See*—
Keyes, Raymond S. Re. 26,413.
O'Brien, Robert E., Roth, and Markowski. 3,388,625.

Kirkis, James G.: *See*—
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Kirkland, Earl V., to Celanese Corp. Copolymers of alpha-olefins and olefin-substituted cycloalkenes and fibers therefrom. 3,376,248, 4–2–68, Cl. 260—33.6.

Kirkland, Joseph T. Car dryer. 3,362,349, 1–9–68, Cl. 104—44.

Kirkland, Joseph T. Sliced bread dispenser. 3,379,343, 4–23–68, Cl. 221—251.

Kirkman, Earl L. Heating assembly for an electric furnace with non-linear resistance heating elements. 3,401,225, 9–10–68, Cl. 13—24.

Kirkman, William, to Libbey-Owens-Ford Glass Co. Apparatus for press bending glass sheets. 3,418,098, 12–24–68, Cl. 65—273.

Kirkpatrick, George M., to Research Corp. Clutter attenuation radar. 3,392,387, 7–9–68, Cl. 343—16.

Kirkpatrick, Henry O., to Cummins Engine Co., Inc. Heat exchangers. 3,362,179, 1–9–68, Cl. 62—97.

Kirkpatrick, Henry O., to Cummins Engine Co., Inc. Air conditioning apparatus with hot gas heating means. 3,386,259, 6–4–68, Cl. 62—156.

Kirkpatrick, Henry O., to Cummins Engines Co., Inc. Heat exchangers. 3,386,260, 6–4–68, Cl. 62—239.

Kirkpatrick, John A.: *See*—
Davy, John R., Hope, and Kirkpatrick. 3,392,759.

Kirkpatrick, John W., to General Motors Corp. Thermocouple probe with plural junctions. 3,393,101, 7–16–68, Cl. 136—224.

Kirkpatrick, Milton E., to TRW Inc. Brazing methods for porous refractory metals. 3,363,306, 1–16–68, Cl. 29—487.

Kirkpatrick, Milton E., to TRW Inc. Porous tungsten rhenium alloy and method of making same. 3,364,018, 1–16–68, Cl. 75—176.

Kirkpatrick, Willard H., and V. L. Seale, to Nalco Chemical Co. Polyoxyalkylated condensation polymers of alkyl phenols, formaldehyde and alkylol primary monoamines. 3,364,-179, 1–16–68, Cl. 260—51.5.

Kirkpatrick, William J., to Pennsalt Chemicals Corp. Sludge discharge means for a centrifuge. 3,407,999, 10–29–68, Cl. 233—19.

Kirkpatrick, Wylie C., to The Glidden Co. Container and dispensing closure therefor. 3,397,823, 8–20–68, Cl. 222—480.

Kirkus, Ludwig, and L. S. Tyma, to Miehle-Goss-Dexter, Inc. Impression cylinder construction to prevent streaking in letterpress. 3,395,638, 8–6–68, Cl. 101—216.

Kirkwood, Creal E., and L. Hale. Quick opening lid for pressure vessels. 3,386,612, 6–4–68, Cl. 220—44.

Kirkwood, Loren R., and C.-S. Liu, to Radio Corp. of America. Television deflection circuits. 3,379,924, 4–23–68, Cl. 315—22.

Kirkwood, Robert B., to Morden Machine Co. Means for presetting and testing a desired pressure limit for hydraulically regulated refiner. 3,372,544, 3–12–68, Cl. 60—52.

Kirn, Manfred: *See*—
Paule, Kurt, Armbruster, and Kirn. 3,418,504.

Kirpichnikov, Felix P., V. I. Bykasov, L. N. Reshetov, and S. P. Miljutin. Stand for helical rolling. 3,415,090, 12–10–68, Cl. 72—100.

Kirsch, Bernhard. Electric hand-operated spot welder. 3,396,-261, 8–6–68, Cl. 219—90.

Kirsch, Bernhard. Heating units. 3,396,785, 8–13–68, Cl. 165—175.

Kirsch Co.: *See*—
Ford, James A. 3,374,823.

Kirsch, Donald L., and P. C. Wright; said Wright, assor. to said Kirsch. Adjustable muffler with deformable end plates and rolled pipe joints. 3,390,738, 7–2–68, Cl. 181—61.

Kirsch, Jerry, and G. D. Robb, to Erie Engineering Co. Lifting and swinging work transfer device. 3,406,837, 10–22–68, Cl. 214—1.

Kirschenbaum, Bernard: *See*—
Dinella, Donald, Kirschenbaum, and Schutz. 3,377,699.

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Bouboulis, Constantine J., and Kirshenbaum. 3,412,072.
Inchalik, Elroy J., Kirscenbaum, and Hill. 3,419,615.
Nelson, Joseph F., and Kirshenbaum. 3,383,364.
Spenadel, Lawrence, Hall, and Kirshenbaum. 3,398,215.

Kirshenbaum, Isidor, C. J. Bouboulis, and C. M. White, to Esso Research and Engineering Co. Flexible polyureas. 3,390,137, 6–25–68, Cl. 260—77.5.

Kirschman, Robert E.: *See*—
Frick, Frank W., and Kirschman. 3,408,565.
Frick, Frank W., and Kirschman. 3,412,333.

Kirschner, Albert, to Kaiser Aluminum & Chemical Corp. Cleaning device for a rolling mill. 3,379,044, 4–23–68, Cl. 72—236.

Kirschner, Linda R.: *See*—
Torsiello, Joseph, Reiss, and Lawrence. 3,416,429.

Kirshner, Howard A.: *See*—
Stiefel, Ludwig, and Kirshner. 3,377,219.

Kirshner, Howard A., to United States of America, Army. Multi-staged ballistic device. 3,388,633, 6–18–68, Cl. 89—8.

Kirsinas, Peter: *See*—
Plattner, Robert F., and Kirsinas. 3,380,485.

Kirsinas, Peter, and R. F. Plattner, to Interlake Steel Corp. Strapping tool. 3,396,760, 8–13–68, Cl. 140—93.4.

Kirstein, Dieter: *See*—
Sennewald, Kurt, Ohorodni, Kirstein, and Hardel. 3,397,-122.

Kirsten, Paul A. Knife for cutting lumber. 3,414,029. 12–3–68, Cl. 144—230.

Kirwan, Harry O.: *See*—
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Kirwan, Robert M. Hair gathering device. 3,394,714, 7–30–68, Cl. 132—11.

Kirwin, Ralph S. Drill grinding machine. 3,380,200, 4–30–68, Cl. 51—124.

Kis, John S., and R. M. Theisen, to Alum-Alloy Casting Co. Method of making an insert and cast piston combination. 3,380,139, 4–30–68, Cl. 29—156.5.

Kisa, Gabriel, and E. Peitry, to Sonotone Corp. Battery charging and discharging control system. 3,417,307, 12–17–68, Cl. 320—9.

Kischio, Werner, to North American Philips Co. Inc. Method of manufacturing aluminum nitride. 3,395,981, 8–6–68, Cl. 23—192.

Kiselnikov, Vladimir N.: *See*—
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Vinogradov, Alexandr S., Kapustin, Maxjutenko, Kiselnikov, Borisov, and Mazalov. 3,405,427.

Kiser, George L., to Cannon Mills Co. Sliver condenser and guide tube for drafting units. 3,362,049, 1–9–68, Cl. 19—288.

Kiser, Lewis C.: *See*—
Hentzi, Joffre E. R., and Kiser. 3,378,881.

Kiser, Louis A., Jr.: *See*—
Burdge, Sam W., and Kiser. 3,366,721.

Kish, Arthur S.: *See*—
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Kish, Michael, Jr., to Atlantic Products Corp. Panel structure for soft-sided luggage. Re. 26,443, 8–27–68, Cl. 190—41.

Kish, Richard E.: *See*—
Straniti, Salvatore, and Kish. 3,389,746.

Kish, Steven: *See*—
Palmay, Ilona B., and Kish. 3,382,546.

Kishel, Joseph F., to Weston Instruments, Inc. Tri-axial impact indicator. 3,389,607, 6–25–68, Cl. 73—492.

Kishi, Teruo: *See*—
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Kishida, Toshimi: *See*—
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Kishimoto, Akio, and K. Ohtawa, to Mitsubishi Jukogyo Kabushiki Kaisha. Method of supporting the shell section of a blast furnace. 3,417,955, 12–24–68, Cl. 248—351.

Kishimoto, Nobuyuki: *See*—
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Kishimoto, Teiji: *See*—
Takano, Tadyoshi, Hattori, Nakanish, Niura, Umio, and Kishimoto. 3,365,449.
Umio, Suminori, Kariyone, Tanaka, Kishimoto, and Noguchi. 3,367,944.

Kishioka, Taneji, to Hamada Printing Press Mfg. Co., Ltd. Apparatus for controlling the peripheral velocity of a new roll of paper. 3,388,874, 6–18–68, Cl. 242—58.2.

Kishioka, Taneji, to Hamada Printing Press Mfg. Co., Ltd. Apparatus for detecting the diameter of a rolled sheet. 3,409,242. 11–5–68, Cl. 242—58.1.

Kisinko, Paul M.: *See*—
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Kisling, James W., III, to Schlumberger Technology Corp. Well packer apparatus with hydraulic hold-down. 3,412,800, 11–26–68, Cl. 166—120.

Kisling, James W., III, to Schlumberger Technology Corp. Retrievable well packer apparatus. 3,412,802, 11–26–68, Cl. 166—120.

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Kisrow, Le Verne A., to Contemporary Electronic Products Corp. Voltage regulating circuit supplying current pulses of uniform amplitude and length. 3,396,326, 8–6–68, Cl. 323—9.

Kiss, Bela: *See*—
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Kiss, Kornel D.: *See*—
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Tirpak, Michael R., Rosen, Wilhjelm, Reed and Kiss. 3,415,785.

Kiss, Kornel D., to Diamond Shamrock Corp. Preparation of formaldehyde-diketene copolymers with organic nitrogen compounds as catalyst. 3,377,318. 4–9–68, Cl. 260—73.

Kiss, Kornel D., to Diamond Shamrock Corp. Copolymerization of formaldehyde with organic nitriles. 3,391,121, 7–2–68, Cl. 260—67.

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Kiss, Marie S., R. C. Hess, and E. G. Tajkowski, to Eversharp, Inc. Polytetrafluoroethylene coated razor blade. 3,-402,468, 9–24–68, Cl. 30—346.53.

Kissel, William J.: *See*—
Carlick, Daniel J., Gruben, McFarlane, and Kissel. 3,383,-391.

Kisselmann, Willy: *See*—
Kremp, Rudolf, Kisselmann, Winkler, and Rümpeleir. 3,364,831.

Kisselmann, Willy, J. Hofmann, R. Matthess, and E. Schmidt, to Agfa-Gevaert Aktiengesellschaft. Film cartridge for photographic camera. 3,408,909, 11–5–68, Cl. 95—31.

Kissilov, Shlomo. Hoisting apparatus. 3,375,947, 4–2–68, Cl. 214—674.

Kissinger, Leonard W.: *See*—
Benziger, Theodore M., Kissinger, and Ungnade. 3,396,-187.

Kissinger, Robert W., and S. Barbasso, Jr., to North American Philips Co., Inc. Radar system employing variable frequency pulses. 3,390,391, 6–25–68, Cl. 343—17.2.

Kissman, Henry M.: *See*—
Winterbottom, Robert, Bitha, and Kissman. 3,388,162.
Winterbottom, Robert, Bitha, and Kissman. 3,397,230.

Kissman, Henry M., and M. J. Weiss, to American Cyanamid Co. Fluoro steroids and methods of preparing the same. 3,376,293, 4–2–68, Cl. 260—239.55.

Kister, Albert T.: *See*—
West, Frank B., and Kister. 3,394,189.
Kister, Dale F., and J. E. Moore, to The Foxboro Co. Flow measurement system. 3,376,744, 4–9–68, Cl. 73—195.
Kistler Instrumente A.G.: *See*—
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Sonderegger, Hans C. 3,390,287.
Kistler, Walter P. Skin friction gauge. 3,362,701, 1–9–68, Cl. 267—1.
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Kitabayashi, Selichi. Aerosol dispensers having an aluminum impact extrusion container. 3,372,844, 3–12–68, Cl. 222—402.1.
Kitagawa, Haruya: *See*—
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Kitagawa, Hideji: *See*—
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Kitagawa, Hideji, S. Kinoshita, and H. Uchiyama, to Toyo Rayon Kabushiki Kaisha. Deposition of alkaline material on viscose-fluoroethylene fibers prior to sintering. 3,397,944, 8–20–68, Cl. 8—137.5.
Kitagawa, Hiroshi, T. Inoue, S. Kurokawa, and S. Horigome, to Kabushiki Kaisha Hitachi Seisakusho. Lithium magnesium ferrite memory core material. 3,370,011, 2–20–68, Cl. 252—62.61.
Kitagawa, Noriyoshi: *See*—
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Kitahonoki, Keizo, and R. Kido, to Shionogi & Co., Ltd. 11-methylamino-9,10-ethano-9,10-dihydroanthracene and its acid-addition salts. 3,385,885, 5–28–68, Cl. 260—501.21.
Kitai, Kiyoshi, to Kabushiki Kaisha Hattori Tokeiten. Switching mechanism of shutter. 3,362,310, 1–9–68, Cl. 95—11.5.
Kitaj, Walter, and L. Levene, to Owens-Illinois Glass Co. Method of rendering glass surfaces abrasion-resistant and glass articles produced thereby. 3,407,085, 10–22–68, Cl. 117—72.
Kitajewski, Ryszard: *See*—
Ridler, Desmond S., George, Butcher, and Kitajewski. 3,417,383.
Kitajima, Joichi, K. Nose, and S. Kikuchi, to Mitsubishi Rayon Co., Ltd. Method for producing artificial fibers. 3,412,191, 11–19–68, Cl. 264—181.
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Kitamura, Iwao: *See*—
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Kitch, Benjamin M., and D. M. Automatic transmission. 3,374,692, 3–26–68, Cl. 74—688.
Kitch, David M.: *See*—
Kitch, Benjamin M., and D. M. 3,374,692.
Kitchar, Andrew F.: *See*—
Abramson, Andrew E., and Kitchar. 3,384,526.
Kitchen, Earl M. Bow tie construction. 3,376,579, 4–9–68, Cl. 2—154.
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Kitchens, Evelyn A. Bedside liquid storage and dispensing apparatus. 3,391,830, 7–9–68, Cl. 222—132.
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Knoth, Walter H., Jr., to E. I. du Pont de Nemours and Co. Transition metal compounds containing $B_{10}H_{10}CH^{3-}$. 3,409,650, 11–5–68, Cl. 260—429.

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Knowlton, Richard L. Collapsible campers. 3,399,920, 9–3–68, Cl. 296—27.

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Knox, Anne A.: *See*—
Edwards, John A., and Knox. 3,392,165.
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Knox, Granville S., to Hydril Co. Conduit coupling with multiple fluid lines. 3,368,618, 2–13–68, Cl. 166—.5.

Knox, John A.: *See*—
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Knox, Lawrence H., to Syntex Corp. 19-nor-n-homo pregnane derivatives. 3,415,845, 12–10–68, Cl. 260—340.5.

Knox, Lawrence H., deceased, by A. A. Knox, to Syntex Corp. 10-formyl fluoride and -acetyl steroids and processes for their preparation. 3,417,111, 12–17–68, Cl. 260—397.1.

Knox, Lloyd C., to Halliburton Co. Flow control float collar. 3,385,372, 5–28–68, Cl. 166—225.

Knox, Lloyd C., and J. W. Woods, to Halliburton Co. Self-fill and flow control safety valve. 3,385,370, 5–28–68, Cl. 166—225.

Knox, Lloyd C., and J. W. Woods, to Halliburton Co. Self-fill and flow control safety valve. 3,409,078, 11–5–68, Cl. 166—21.

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Knox, Marion D., to Wayne Electronic Products Co. Automatic relay carrier circuitry for testing multiple terminal points employing timer sampling means. 3,414,773, 12–3–68, Cl. 317—28.

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Knox, Robert J. Honey hive and comb frame cleaning apparatus. 3,394,426, 7–30–68, Cl. 15—304.

Knoy, Maurice G., to Rostone Corp. Corrosion-resistant conduit connector. 3,415,942, 12–10–68, Cl. 174—51.

Knudsen, Erik S., to Slagteriernes Forskningsinstitut. Method for determining the fat content of trimmings or similar pieced meats. 3,396,280, 8–6–68, Cl. 250—223.

Knudsen, John P., A. W. Lockwood, Jr., and R. P. Teulings, to Monsanto Co. Bi-component non-elastic filament capable of partial separation. 3,402,097, 9–17–68, Cl. 161—177.

Knudsen, Knud J., to Lewis Engineering Co. Alternating current power control. 3,371,268, 2–27–68, Cl. 323—21.

Knudsen, Knud J., to Lewis Engineering Co. Alternating current electric power control. 3,399,293, 8–27–68, Cl. 219—501.

Knudsen, Lawrence B., and A. D. Munjee, to National Lead Co. Fluid scrubber. 3,419,252, 12–31–68, Cl. 261—79.

Knudsen, Madeleine V., to Mavala S.A. Composition for strengthening nails. 3,382,151, 5–7–68, Cl. 167—85.

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Knupke, James A., to Continental Oil Co. Rock wall slicer. 3,386,522, 6–4–68, Cl. 175—311.

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Knüsli, Enrico, and J. Rumpf, to J. R. Geigy, A.G. s-Triazines having herbicidal and fungicidal properties. 3,385,854, 5–28–68, Cl. 260—249.9.

Knüsli, Enrico, and J. Rumpf, to J. R. Geigy, A.-G. Triazine derivatives with herbicidal and fungicidal properties. 3,403,151, 9–24–68, Cl. 260—249.5.

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Kobayashi, Hiroshi, E. Miyazawa, and K. Hisano, to Yawata Iron & Steel Co., Ltd. Three-phase line voltage regulator. 3,379,961, 4-23-68, Cl. 323—76.
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Kobler, Paul. Shearhead assemblies on electrical and mechanical shavers. 3,417,467, 12-24-68, Cl. 30—34.2.
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Koch, Hans-Joachim, K.-H. Berndt, and Dölle, to VEB Elektrochemisches Kombinat Bitterfeld. Frames for electrodes for the electrolytic decomposition of hydrochloric acid and method for making such frames. 3,415,733, 12–10–68, Cl. 204—279.
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Kocher, Ernst-Ulrich, K. Wagner, and W. Von der Emden, to Farbenfabriken Bayer Aktiengesellschaft. N-sulfonyl-1-oxa-3-aza-cycloalkane and copolymers thereof with trioxane. 3,385,828, 5–21–68, Cl. 260—67.5.
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Kocher, Heinz, W. Kitzig, and P. Witteveen, to Bolkow Gesellschaft mit beschrankter Haftung. Method and apparatus for regulating the orientation of acceleration-controlled bodies. 3,412,960, 11–26–68, Cl. 244—77.
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Kochevar, Matthew A., and F. J. Fynewever, to Samsonite Corp. Mirror mounting. 3,408,033, 10–29–68, Cl. 248—474.
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Kodama, Mitsuru, to Ichikawa Seisakusho Co., Ltd. Wiper blade. 3,414,931 12-10-68, Cl. 15—250.42.
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Koehler, Roland W. Baasner, E. Nagel, and G. Engelage, to Agfa-Gevaert Aktiengesellschaft. Apparatus for centering bands of light-sensitive material or the like. 3,387,760, 6-11-68, Cl. 226—198.
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Koenig, Nathan H., to United States of America, Agriculture. Shrinkprooting wool with diisocyanates in the presence of ethylene carbonate. 3,370,913, 2-27-68, Cl. 8—128.
Koenig, Nathan H., to United States of America, Agriculture. Modification of wool with acetic anhydride and paraformaldehyde. 3,388,963, 6-18-68, Cl. 8—127.6.
Koenig, Nathan H., to United States of America, Agriculture. Shrinkproofing wool with diisocyanates and ethylenimine. 3,388,964, 6-18-68, Cl. 8—127.6.
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Uzunoglu, Vasil, and Koenig. 3,418,493.
Koenig, Robert H., to Tapeswitch Corp. of America. Selective tape switch. 3,412,224, 11-19-68, Cl. 200—86.
Koenig, Walter, to Kloehner-Humboldt-Deutz Aktiengesellschaft. Device for controlling the working depth of soil working implements. 3,414,062, 12-3-68, Cl. 172—7.
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Koerner, Gotz, to Th. Goldschmidt A.G. Novel organosilicon compounds and process for their preparation. 3,392,182, 7-9-68, Cl. 260—448.8.
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Koerner, Ralph J., and A. D. Scarbrough, to The Bunker-Ramo Corp. Plural content addressed memories with a common sensing circuit. 3,402,398, 9-17-68, Cl. 340—173.
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Koester, Charles J., to American Optical Co. Laser configuration. 3,369,192, 2-13-68, Cl. 331—94.5.
Koester, Charles J., to Warner-Lambert Pharmaceutical Co. Frusto-conical laser configuration. 3,395,368, 7-30-68, Cl. 331—94.5.
Koester, Charles J., and N. S. Williams, to American Optical Co. Laser amplifier construction. 3,416,089, 12-10-68, Cl. 330—4.3.
Koester, John P., to The Orr Felt & Blanket Co. Paper makers' felt. 3,401,467, 9-17-68, Cl. 34—95.
Koester, Norman C., to Scott Industries, Inc. Manometer. 3,376,732, 4-9-68, Cl. 73—401.
Koester, Norman C., to "Automatic" Sprinkler Corp. Flow measuring device. 3,403,556, 10-1-68, Cl. 73—207.
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Koett, Albert C. Method of and apparatus for securing fastener means. 3,405,436, 10-15-68, Cl. 29—432.1.

Koett, Thomas E., to Panto Enterprises, Inc. Instrument for obtaining a biopsy specimen. 3,394,699, 7–30–68, Cl. 128—2.

Koff, Richard M. Three-dimensional labyrinth. 3,406,971, 10–22–68, Cl. 273—109.

Kofink, Siegfried, to J. Eberspaecher. Reciprocating pump. 3,380,387, 4–30–68, Cl. 103—37.

Kofman, Lev P.: *See*—
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Kogan, Abraham. Process and apparatus for sea water conversion using series shallow tray flow and direct contact condensation. 3,395,085, 7–30–68, Cl. 203—11.

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Kogelnik, Herwig W., to Bell Telephone Laboratories, Inc. Transition section for beam waveguides using aperture-limited lenses. 3,410,623, 11–12–68, Cl. 350—96.

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Koger, Edward B. and D. G. 3,415,662.

Koger, Edward B. and D. G. Laminate material. 3,415,662, 12–10–68, Cl. 99—171.

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Kohashi, Tadao, to Matsushita Electric Industrial Co., Ltd. Light amplifier including a layer for converting X-rays to visible radiation. 3,388,256, 6–11–68, Cl. 250—213.

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Kohen, Nuri, to Yardney International Corp. Vacuum forming apparatus. 3,368,243, 2–13–68, Cl. 18—19.

Kohl, Charles F., to Shell Oil Co. Production of polyacyloxy alkadienes, alkenes, and alkanes. 3,394,170, 7–23–68, Cl. 260—491.

Kohl, Charles F., F. O. Stark, and G. E. Vogel, to Dow Corning Corp. Preparation of 1,1,1,3-tetrachloropropane with high energy ionizing electromagnetic radiation. 3,386,905, 6–4–68, Cl. 204—163.

Kohl, Douglas A., to Litton Systems, Inc. Optical alignment ascertaining device and process for elimination of refractive effects. 3,369,445, 2–20–68, Cl. 88—14.

Kohl, Fred A., to Glare Shield Corp. of Missouri. Vehicle headlamp with anti-glare structure. 3,366,821, 1–30–68, Cl. 313—111.

Kohl, Gerald C. Retaining catheter having resiliently biassed wing flanges. 3,397,699, 8–20–68, Cl. 128—349.

Kohl, Karl. Guide bar drive for a warp knitting machine. 3,401,537, 9–17–68, Cl. 66—86.

Kohl, Paul, and G. Schlapp, to Nassovia Werkzeugmaschinenfabrik G.m.b.H. Tracer unit for duplicating tool machines, particularly duplicating milling machines. 3,368,456, 2–13–68, Cl. 90—62.

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Kohlenscheidungs-Gesellschaft m.b.H.: *See*—
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Kohler, Alfred, and W. Bock, to SWF-Spezialfabrik fur Autozobehor Gustav Rau G.m.b.H. Windshield wiper construction. 3,390,417, 7–2–68, Cl. 15—250.42.

Kohler, Arnold, to Escher Wyss Aktiengesellschaft. Gearwheel type distributor pump. 3,373,691, 3–19–68, Cl. 103—118.

Kohler Co.: *See*—
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Kohler, Dale M., to Armco Steel Corp. Process for forming a refractory coating on silicon-iron stock. 3,389,006, 6–18–68, Cl. 117—33.

Kohler, Dale M., to Armco Steel Corp. Grain-oriented iron and steel and method of making same. 3,392,063, 7–9–68, Cl. 148—12.

Kohler, Dale M., and V. W. Carpenter, to Armco Steel Corp. Desulfurizing coating for ferrous material and method of using it. 3,379,581, 4–23–68, Cl. 148—113.

Kohler, Ernst, to Robert Bosch G.m.b.H. Distributor cap for an ignition distributor consisting of thermoplastic synthetic material. 3,404,245, 10–1–68, Cl. 200—19.

Kohler, Fred: *See*—
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Kohler, Fred, and W. C. Rudd, to American Machine & Foundry Co. Welding assemblies of elongated members. 3,375,344, 3–26–68, Cl. 219—107.

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Kohler General, Inc.: *See*—
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Köhler, Herbert, to International Standard Electric Corp. Frequency synchronizing system for a swept frequency oscillator. 3,391,348, 7–2–68, Cl. 331—4.

Köhler, Horst, and R. Leinhos, to Carl Zeiss-Stiftung, d.b.a. Carl Zeiss. Telescopic sight with variable enlargement and optical joint. 3,383,151, 5–14–68, Cl. 350—48.

Kohler, Jacob W. L., to North American Philips Co., Inc. Device for producing cold with cold loss prevention means. 3,383,872, 5–21–68, Cl. 62—6.

Kohler, John J., to Olin Mathieson Chemical Corp. N,N'-sulfonyl-bis-(carbamoyl-phosphonic acid esters). 3,401,214, 9–10–68, Cl. 260—932.

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Kohlhaas, Frank A., to Crown Zellerbach Corp. End-loading display tray forming shipping carton. 3,372,794, 3–12–68, Cl. 206—44.

Kohlhagen, Walter, and H. K. Cummings, to Amphenol Corp. Self-starting synchronous reaction motor. 3,412,272, 11–19–68, Cl. 310—164.

Kohling, Alfons: *See*—
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Kohlitz, Paul C. Fluid actuated clamp. 3,362,301, 1–9–68, Cl. 92—2.

Kohll, Charles F., and R. van Helden, to Shell Oil Co. Process for preparing dimers and co-dimers of olefins. 3,361,840, 1–2–68, Cl. 260—683.15.

Kohll, Charles F., and N. Fekkes, to Shell Oil Co. Preparation of aromatic nitriles by the liquid phase dehydration of amides. 3,417,124, 12–17–68, Cl. 260—465.

Kohlmeyer, Horst, and H. Spohr, to Lohmann-Apparatebau K.G. Ventilating arrangement for the rooms of a building, especially of a stall, pigsty, fowl-house or the like. 3,363,531, 1–16–68, Cl. 98—30.

Kohlmeyer, Wilbur F. Paper folding apparatus. 3,391,923, 7–9–68, Cl. 270—84.

Kohls, James P., to Jervis B. Webb Co. Proximity switch having a magnetic shield. 3,406,267, 10–15–68, Cl. 200—61.41.

Kohls, James P., to Jervis B. Webb Co. Control for self-guided vehicle. 3,411,603, 11–19–68, Cl. 180—98.

Kohman, Wayne E., to Curtiss-Wright Corp. Control system for ship roll stabilization. 3,395,667, 8–6–68, Cl. 114—122.

Kohmoto, Masayuki, to Mitsui Petrochemical Industries, Ltd. Process for the manufacture of highly pure phenol by distillation in the presence of excess cumene. 3,405,038, 10–8–68, Cl. 203—69.

Kohn, David H., A. Schwarz, and K. S. Spiegler, to Technion Research and Development Foundation, Ltd. Sulfonic acid cation exchangers containing amine groups. 3,370,021, 2–20–68, Cl. 260—2.2.

Kohn, Gerhard, to International Business Machines Corp. Non-destructive readout thin film memory. 3,414,891, 12–3–68, Cl. 340—174.

Kohn, Gustave K., to Chevron Research Co. Selective preparation of 1,1,2,2-tetrachloroethylsulfenyl chloride in the reaction of trichloroethylene and sulfur dichloride. 3,395,180, 7–30–68, Cl. 260—543.

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Kohne, Richard F.: *See*—
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Kohnen, Franz J., to Hydraulik G.m.b.H. Hydraulic metal extrusion press. 3,392,567, 7–16–68, Cl. 72—253.

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Stubbmann, Albert. 3,410,024.
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Stubbmann, Albert, and Kohner. 3,375,009.

Kohnle, Kenneth J., R. L. Auer, and D. M. Green, to Bristol-Myers Co. Agglomeration of smaller pharmaceutical particles into larger microspherules and enteric-coating thereof. 3,400,185, 9–3–68, Cl. 264—117.

Kohnlein, Rolf: *See*—
Buchner, Norbert, and Kohnlein. 3,406,891.

Kohring, Walter. Fluid storage tanks. 3,362,559, 1–9–68, Cl. 220—9.

Kohring, Walter. Structure capable of being used as a monomooring. 3,404,654, 10–8–68, Cl. 114—230.

Kolke, Hideo, G. C. Parikh, and I. L. Spechmeister, to Southern Illinois University Foundation. Gel cutter. 3,384,941, 5–28–68, Cl. 25—105.

Kolke, Ikuo: *See*—
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Kolke, Saburo: *See*—
Kiuchi, Atsushi, Suzuki, and Kolke. 3,379,220.

Kolnzan, Walter J. Livestock feeder. 3,400,688, 9–10–68, Cl. 119—51.

Kolshikawa, Yoshiyuki. Drumhead construction. 3,362,275, 1–9–68, Cl. 84—411.

Kolshikawa, Yoshiyuki. Mounting means for mounting a sheet on a musical instrument. 3,405,586, 10–15–68, Cl. 84—414.

Koishiroku Photo Industry Co., Ltd.: *See*—
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Kolvunen, Erkki A.: *See*—
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Kolvusalo, Mauno K. Door closer mechanism. 3,372,427, 3–12–68, Cl. 16—68.

Koizumi, Hiroyasu, to Kobayashi Shinijiro. Proximity controlled automatic cigarette lighter and the like. 3,372,306, 3–5–68, Cl. 317—85.

Koizumi, Masaru, to Mansei Kogyo Kabushiki Kaisha. Fuel control mechanism in liquefied gas fueled lighter. 3,399,951, 9–3–68, Cl. 431—344.

Koizumi, Shun: *See*—
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Koizumi, Takao, to Teijin Ltd. Process for the preparation of low torque crimped textile yarn. 3,399,524, 9–3–68, Cl. 57—157.

Koizumi, Takeo: *See*—
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Kojima, Hideo, to Hitachi, Ltd. Structure of exhaust chamber in gas turbines. 3,400,911, 9–10–68, Cl. 253—39.

Kojima, Motoki, H. Fujii, and N. Kutsuwada, to Konishiroku Photo Industry Co., Ltd. Magnet assembly for magnetic developing brush and developing apparatus for electrostatic process. 3,402,698, 9–24–68, Cl. 118—637.

Kojima, Yasuo: *See*—
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Kojima, Yasushi: *See*—
Hosokawa, Kenjiro, Kojima, Mori, and Suzuki. 3,399,186.

Kojima, Yoshio, T. Kishida, M. Yoshioka, and I. Fushiki, to Koishiroku Photo Industry Co., Ltd. Method for the preparation of an offset printing master. 3,364,585, 1–23–68, Cl. 101—467.

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Rogers, Edward S., and Kovach. 3,383,306.
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Kovaleski, Joseph J., to The Advanced Wyrepal Co., Inc. Strand working and spooling apparatus and method. 3,413,-834, 12-3-68, Cl. 72—289.
Kovalski, Leonard E., to Bethlehem Steel Corp. Sulfuric acid pickling bath. 3,415,748, 12-10-68, Cl. 252—79.4.
Kovanic, Edward F., to Bell Telephone Laboratories, Inc. Pulse frequency divider using delay line timing. 3,381,227, 4-30-68, Cl. 328—56.
Kovanic, Edward F., to Bell Telephone Laboratories, Inc. Electro-optical data processing system. 3,407,301, 10-22-68, Cl. 250—199.
Kovar, Henry C., to The Cornelius Co. Coin return mechanism. 3,372,864, 3-12-68, Cl. 232—57.5.
Kovarik, Vincent J. Materials handling device. 3,362,547, 1-9-68, Cl. 214—77.
Kovats, Erwin, to Firmenich et Cie. Producing a mandarin-like flavoring composition by admixing thymol and methyl-N-methyl anthranilate. 3,414,412, 12-3-68, Cl. 99—140.
Kovats, William S., to G & W Electric Specialty Co. Spring energized switch operator with roller type stop and release elements. 3,403,565, 10-1-68, Cl. 74—97.
Kovats, Zoltan, D. J. Gestler, and H. W. Fisher, to Rockwell Mfg. Co. Magnetic coupling drive assembly for fluid flow meters. 3,398,577, 8-27-68, Cl. 73—231.
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Rebenok, Anatoly G., Budenkov, Mezentsev, Vainshtein, Durachenko, and Kovdrya. 3,408,956.
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Ritter, George F., Jr. 3,361,552.
Kowalczynski, Jerzy K. System for measuring the mass of material by the detection of radiation scattered by the material. 3,361,911, 1-2-68, Cl. 250—83.3.
Kowalenko, Witold. Method and apparatus for the production of lightweight aggregates. 3,406,955, 10-22-68, Cl. 263—40.
Kowaleski, Clarence, to Bell Telephone Laboratories, Inc. Handset mounted alternate action switchhook and associated mode indicator means. 3,396,244, 8-6-68, Cl. 179—100.
Kowalewski, John J.: *See*—
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Mier, Christopher W., and Kowalik. 3,384,700.
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Rosenstock, Karl-Heinz, and Kowalski. 3,391,995.
Kowalski, Ronald E., to Grayhill Moldtronics, Inc. Molding apparatus having gate with cutoff. 3,393,428, 7-23-68, Cl. 18—30.
Kowalski, Walter, to McGraw-Edison Co. Automatic load transfer switch. 3,392,355, 7-9-68, Cl. 335—60.
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Kowalski, Xavier, and K. J. Shaver, to Monsanto Co. N-substituted monoamidotriphosphate and processes for their manufacture. 3,405,168, 10-8-68, Cl. 260—501.12.
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Kozacka, Frederick J., to The Chase-Shawmut Co. Electric cartridge fuse having off-center fusible elements. 3,413,-585, 11-26-68, Cl. 337—159.
Kozacka, Frederick J., and P. C. Jacobs, Jr., to The Chase-Shawmut Co. Electric cartridge fuse for interrupting protracted overload currents and major fault currents. 3,386,-062, 5-28-68, Cl. 337—160.
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Koziara, Robert P., to International Harvester Co. Load accelerated turbocharger. 3,370,417, 2-27-68, Cl. 60—13.
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Koziol, Walter, to Charmglow Products, Inc. Lamp assembly. 3,365,571, 1-23-68, Cl. 240—11.2.
Koziol, Walter, to Charmglow Mfg. Co. Curved panel lamp assembly. 3,372,835, 3-12-68, Cl. 220—82.
Koziol, Walter, to Charmglow Mfg. Co. Hinge structure. 3,388,421, 6-18-68, Cl. 16—171.
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Kozlowski, Melvin M., and T. E. Harris, to Dominion Engineering Works Ltd. Automatic high pressure lubrication system for rotary grinding mills. 3,374,863, 3-26-68, Cl. 184—6.

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Kozu, Isao, and O. Ogata, to Matsushita Electric Industrial Co., Ltd. Phonograph pickup apparatus. 3,363,909, 1–16–68, Cl. 274—23.

Kozub, Frank J. Double swivel mount for transporting long loads. 3,405,658, 10–15–68, Cl. 105—367.

Kozuka, Tadasi, to Tokyo Juki Kogyo Kabushiki Kaisha. Mechanism for cutting lower thread in a sewing machine. 3,391,665, 7–9–68, Cl. 112—252.

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Krabbe, Wilfried, E. Michael, E. Rang, and W. Schenck, to Philipp Holzmann Aktiengesellschaft. Oscillatory tunneling head having removable sector plates. 3,413,034, 11–26–68, Cl. 299—33.

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Kraft, Wilbur P. Variable control metering and check valve. 3,408,040, 10–29–68, Cl. 251—257.

Kraft, Wilbur P. Sliding block valve. 3,408,041, 10–29–68, Cl. 251—260.

Kraft, William M., and E. G. Janusz, to Tenneco Chemicals, Inc. Polyglycidyl ethers and process for their production. 3,413,248, 11–26–68, Cl. 260—18.

Kragh, Viggo. Automatic casting rod. 3,413,748, 12–3–68, Cl. 43—19.

Krahe, Francis J., and S. J. Rybarczyk, to United States Steel Corp. Coil support apparatus. 3,378,248, 4–16–68, Cl. 263—49.

Krahe, James B., to American Sterilizer Co. Combined sterilizer chambers and control. 3,407,029, 10–22–68, Cl. 21—93.

Krahn, Alfred R. Readily removable exhaust muffler for high vertical exhaust stacks. 3,401,774, 9–17–68, Cl. 181—72.

Krahn, Hans-Joachim: *See*—
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Krahn, Hans-Joachim, to Raytheon Co. Solid state integrated periodic structure for microwave devices. 3,400,298, 9–3–68, Cl. 315—3.5.

Kraiman, Eugene, and J. Austin, to Sun Chemical Corp. Preparation of amines. 3,401,203, 9–10–68, Cl. 260—583.

Kraimer, Robert H., and W. R. Theodore, to General Electric Co. Airfoil vane. 3,369,792, 2–20–68, Cl. 253—39.1.

Krainer, Helmut, and J. Maatsch, to Beteiligung und Patentverwaltungsgesellschaft mit beschrankter Haftung. Method of monitoring and controlling the oxygen blowing process. 3,372,023, 3–5–68, Cl. 75—60.

Kraissl, Frederick, Jr. Oil separators. 3,415,041, 12–10–68, Cl. 55—342.

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Krakower, Gerald W., to E. R. Squibb & Sons, Inc. 4,17-Dioxa-A,D-bishomosteroidal lactone. 3,389,150, 6–18–68, Cl. 260—343.2.

Krakower, Gerald W., to E. R. Squibb & Sons. 3α,17β-diacyloxy-4α,8,14-trimethyl-18-nor-5α,8α,14β-androst-9(11)-ene. 3,391,167, 7–2–68, Cl. 260—397.5.

Krakower, Gerald W., to E. R. Squibb & Sons, Inc. D-ring lactones. 3,393,203, 7–16–68, Cl. 260—340.9.

Krakower, Gerald W., to E. R. Squibb & Sons, Inc. Preparation of methylene sterolds. 3,401,163, 9–10–68, Cl. 260—239.55.

Krakower, Gerald W., and J. Fried, to E. R. Squibb & Sons, Inc. 16,17-acetonides of 20 oxygenated preg-4-en-3,16,17-triols and pregna-3,5-dien-16,17-diols. 3,403,147, 9–24–68, Cl. 260—239.55.

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Kralik, Richard J., and L. E. Tufts, to Hooker Chemical Corp. Crystallization of large particle sized ammonium perchlorate. 3,383,180, 5–14–68, Cl. 23—301.

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Kralt, Teunis, and H. H. Haeck, to North American Philips Co., Inc. Carotenoid dyes. 3,369,038, 2–13–68, Cl. 260—464.

Kralt, Teunis, and J. M. A. Zwagemakers, to North American Philips Co., Inc. 5- and 6-methoxq-3-(phenoxyethylamino-ethyl)-indoles. 3,371,098, 2–27–68, Cl. 260—326.14.

Kramasz, Joseph G., Jr., and E. Kaufmann. Electromechanical lock. 3,415,087, 12–10–68, Cl. 70—277.

Kramer, Alfred S., and M. J. Sondell. Combined knife and fork. 3,376,640, 4–9–68, Cl. 30—148.

Kramer, Bruce E., to United States of America, Navy. Method of providing refractory metals with protective coatings and resulting article. 3,362,842, 1–9–68, Cl. 117—69.

Kramer, Charles F., to Steel Heddle Mfg. Co. Loom harness. 3,417,788, 12–24–68, Cl. 139—92.

Kramer, David E., to Daniel Woodhead Co. Cable clamp for electrical wiring device. 3,390,371, 6–25–68, Cl. 339—107.

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Kramer, Frank J., Jr., to D. H. Baldwin Co. Keying system for electronic musical percussion simulator. 3,417,189, 12–17–68, Cl. 84—1.19.

Kramer, George M., to Esso Research and Engineering Co. Alkylation process with acid catalyst and sulfonium or phosphonium salt promoter. 3,364,280, 1–16–68, Cl. 260—683.51.

Kramer, Hans B. A., G. Messwarb, and W. Denk, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Reaction product of polyvinylphosphonic dichloride and glycerol. 3,402,156, 9–17–68, Cl. 260—80.

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Kramer, Hyman. Cleaning implements. 3,368,230, 2–13–68, Cl. 15—105.

Kramer, Hyman. Supporting surface for a mattress, cushion, and the like. 3,386,113, 6–4–68, Cl. 5—190.

Kramer, Irvin R., to Martin-Marietta Corp. Apparatus for decontaminating hydraulic systems. 3,368,962, 2–13–68, Cl. 204—299.

Kramer, Irvin R., and E. L. Strauss, to Martin-Marietta Corp. Thermoplastics exhibiting high viscosity at their decomposition temperatures. 3,397,168, 8–13–68, Cl. 260—37.

Kramer, James H., to The B. F. Goodrich Co. Resilient rail hold-down. 3,386,657, 6–4–68, Cl. 238—310.

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Kramer, Leo, to Ingersoll-Rand Co. Control apparatus for fluid powered tools. 3,406,762, 10–22–68, Cl. 173—12.

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Kramer, Max J., to Aluminum Co. of America. X-ray thickness gauge with correction for specimen composition. 3,417,244, 12–17–68, Cl. 250—83.3.
Kramer, Otto L. Pinking machine. 3,379,599, 4–23–68, Cl. 156—510.
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Kramolis, Vladislav, A. Danhel, A. Rataj, and Z. Kochta, to Elitex. Control system for carding machine. 3,418,696, 12–31–68, Cl. 19—105.
Krane, Bronnie F., to United States Steel Corp. Air filter with traveling filter-medium screen. 3,395,518, 8–6–68, Cl. 55—290.
Kraner, James L., and N. P. Pappadis, to The Rauland Corp. Heater support for plural gun cathode-ray tube. 3,387,166, 6–4–68, Cl. 313—272.
Kranich, Frederick J., to Alumalloy Co. Aluminum alloy. 3,379,518, 4–23–68, Cl. 75—142.
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Krank, Wolfgang, and G Schickle, to Telefunken Patentverwertungs-G.m.b.H. Waveguide. 3,396,350, 8–6–68, Cl. 333—95.
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Krantz, Joris M. Carpet seam securing device. 3,413,678, 12–3–68, Cl. 16—16.
Krantz, Karl W., to General Electric Co. Process for producing organopolysiloxanes. 3,372,133, 3–5–68, Cl. 260—28.
Kranz, Edmund J. Random mixing and dispensing amusement device. 3,371,932, 3–5–68, Cl. 273—144.
Kranz, Joachim, and W. Gerstner, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process for the production of β-quinophthalines. 3,390,149, 6–25–68, Cl. 260—240.7.
Kranz, Paul J., to American Smelting and Refining Co. Copper base alloy and method for its manufacture. 3,375,107, 3–26–68, Cl. 75—156.5.
Kranz, Richard, to Tension Envelope Corp. Apparatus for cutting and applying envelope patches. 3,412,655, 11–26–68, Cl. 93—61.
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Krapcho, John, to E. R. Squibb & Sons, Inc. Benzothiazepines. 3,361,760, 1–2–68, Cl. 260—327.
Krapcho, John, to E. R. Squibb & Sons, Inc. Phenyl lower alkylthio-alkylamino acetanilide derivatives. 3,378,586, 4–16–68, Cl. 260—558.
Krapcho, John, to E. R. Squibb & Sons, Inc. Benzothiazepine carboxamides and derivatives thereof. 3,395,150, 7–30–68, Cl. 260—268.
Krapcho, John, to E. R. Squibb & Sons, Inc. Therapeutically active benzothiazines. 3,401,166, 9–10–68, Cl. 260—243.
Krapcho, John, to E. R. Squibb & Sons, Inc. Novel tropolone derivatives. 3,419,599, 12–31–68, Cl. 260—473.
Krapp, Gerhard. Soles for skating boots. 3,373,511, 3–19–68, Cl. 36—2.5.
Krasberg, Alan R., to Westinghouse Electric Corp. Automatic decompression system. 3,405,629, 10–15–68, Cl. 98—1.5.
Krasberg, Alan R. Electrochemical sensing device and method of making same. 3,410,778, 11–12–68, Cl. 204—195.
Kraschnewski, Melvin W., and T. Learmont, to Bucyrus-Erie Co. Stepping-type propulsion means for excavators. 3,375,892, 4–2–68, Cl. 180—8.
Krasmer, Bernhard, and H.-E. Konermann, to Dynamit nobel Aktiengesellschaft. Process for the manufacture of formed articles from post-chlorinated polyvinyl chloride containing thermoplastic materials. 3,364,163, 1–16–68, Cl. 260—23.
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Kraszeski, Arthur, to R. O. Kent Corp. Apparatus and method for making ventilating units for seat pads. 3,380,484, 4–30–68, Cl. 140—1.
Kraszeski, Arthur, and S. D. Kent, to R. O. Kent Corp. Machine for assembling artificial trees, branches and the like. 3,380,487, 4–30–68, Cl. 140—149.
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Kraus, Gerard, and J. J. Brennan, Jr., to Phillips Petroleum Co. Masticating polybutadiene to reduce cold flow. 3,414,557, 12–3–68, Cl. 260—94.7.
Kraus, Heinz, to Firma Wenczler & Heidenhain. Alignment guide. 3,366,426, 1–30–68, Cl. 308—6.
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Kraus, Leon S., and E. B. Fall, Jr. Sewage treatment and apparatus therefor. 3,395,800, 8–6–68, Cl. 210—66.
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Kraus, Willibald, to L. & C. Steinmuller G.m.b.H. Steam producing plant and method of operating same. 3,411,485, 11–19–68, Cl. 122—406.
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Krause, Gerhard, to Fernseh G.m.b.H. Television signal recording and reproducing apparatus having carrier frequency higher than first aperture null frequency. 3,399,272, 8-27-68, Cl. 178—6.6.

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Krause, John T., and W. R. Northover, to Bell Telephone Laboratories, Inc. Glass bonding medium for ultrasonic devices. 3,413,187, 11-26-68, Cl. 161—192.

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Krauss, John, and R. J. Barbu, to Markbar Corp. Meat casing. Re. 26,496, 12-3-68, Cl. 66—193.

Krauss, John, and R. J. Barbu, to Markbar Corp. Stretch bandage. 3,419,003, 12-31-68, Cl. 128—157.

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Krauss, Walter, and R. Hebermehl, to Farbenfabriken Bayer Aktiengesellschaft. Polycarbonate-polysiloxane copolymers. 3,379,790, 4-23-68, Cl. 260—824.

Kraut, Herman G., to The Stanley Works. Skin-packaged article. 3,386,571, 6-4-68, Cl. 206—80.

Kraut, Herman G., and A. E. Lemaire, to The Stanley Works. Apparatus and method for packaging. 3,387,426, 6-11-68, Cl. 53—22.

Kraut, Oscar E. Method of and means for loud speaker sound wave distribution. 3,400,217, 9-3-68, Cl. 179—1.

Krauthamer, Stanley, to Borg-Warner Corp. Inverter circuit with magnetic bias to delay load current rise and with pre-charge circuit for commutating capacitors. 3,405,346, 10-8-68, Cl. 321—45.

Krauthamer, Stanley, and M. Lilienstein, to Borg-Warner Corp. Static inverter system with frequency regulation of inverter output voltage as a function of inverter input voltage amplitude. 3,403,318, 9-24-68, Cl. 321—5.

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Krayenbrink, Cornelis J., to Indoheem N.V. Indicator circuit with all electrodes connected to a common point through individual resistors. 3,374,397, 3-19-68, Cl. 315—334.

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Krebs, Jacob. Twin lens reflex camera with built-in spot photometer. 3,417,684, 12-24-68, Cl. 95—10.

Krechman, David. Universally adaptable tape player having stereo loudspeakers. 3,405,944, 10-15-68, Cl. 274—1.

Krechman, David. Support bracket. 3,408,030, 10-29-68, Cl. 248—360.

Kreckl, Alois, to Vereinigte Glanzstoff-Fabriken AG. Protective sea rescue suit. 3,369,263, 2-20-68, Cl. 9—331.

Kreckl, Alois, to Vereinigte Glanzstoff-Fabriken A.G. Protective covering article. 3,374,142, 3-19-68, Cl. 161—50.

Kreeger, Elsmer W., to Pinckney Molded Plastics, Inc. Nest and stack containers. 3,380,625, 4-30-68, Cl. 220—97.

Kreeger, Elsmer W., to Pinckney Molded Plastics, Inc. Nest and stack trays. 3,403,788, 10-1-68, Cl. 211—126.

Kreeger, Fred L. Portable fence. 3,387,825, 6-11-68, Cl. 256—10.

Kreer, John G., Jr., to Bell Telephone Laboratories, Inc. Narrow band speech transmission system. 3,361,877, 1-2-68, Cl. 179—15.55.

Kreft, Leon J. Fishing apparatus. 3,365,834, 1-30-68, Cl. 43—19.

Kreger, Fred W., to Sash Controls, Inc. Closure night-latch. 3,381,990, 5-7-68, Cl. 292—62.

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Krehbiel, John H., to Molex Products Co. Electrical connector. 3,407,380, 10-22-68, Cl. 339—186.

Krehbiel, John H., to Molex Products Co. Electrical connector having resilient arcuately bendable locking means. 3,409,858, 11-5-68, Cl. 339—91.

Krehbiel, John H., to Molex Products Co. Separable electrical connector having rearwardly directed latch fingers. 3,409,859, 11-5-68, Cl. 339—91.

Krehbiel, John H. Switch connector. 3,417,214, 12-17-68, Cl. 200—51.

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Kreidel, Hans, Sr. and Hans Kreidel, Jr., to Inventex G.m.b.H. Conical sealing ring having a circular edge for tube connections. 3,402,948, 9-24-68, Cl. 285—341.

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Krekeler, Claude B., to The Cincinnati Mine Machinery Co. Cutter bits and means for mounting them. 3,397,013, 8–13–68, Cl. 299—86.
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Kremer, Gilbert V. H., and R. F. M. Sureau, to Etablissements Kuhlmann. Pyridazine monoazo dyestuffs. 3,374,220, 3–19–68, Cl. 260—154.
Kremer, Leon V., and G. M. Rambosek, to Minnesota Mining and Mfg. Co. High solids content elastomer-based aerosol spray adhesive. 3,400,095, 9–3–68, Cl. 260—32.8.
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Krempa, Felix F., and M. Masich. 50% to ABC Machining and Fabricating, and 50% to Chain Supply Co. Method for manufacturing a replaceable tooth sprocket. 3,381,354, 5–7–68, Cl. 29—159.2.
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Kretschmer, Theodore R., and M. C. Hironaka, to United States of America, Navy. Spring actuated core retainer. 3,409,094, 11–5–68, Cl. 175—242.
Kretz, Marcel, to Societe Giravions Dorand. Device for ensuring the re-entry into the atmosphere and the recovery of space vehicles. 3,412,807, 11–26–68, Cl. 170—160.26.
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Kreutzer, Conradin O., to Smith Research and Development Co., Inc. Means for electrifying the fishing waters between electro-fishing electrodes. 3,363,356, 1–16–68, Cl. 43—17.1.
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Kribbe, Heinrich: *See*—
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Kriebel, Walter, and G. Maas, to Electroacustic Gesellschaft mit beschrankter Haftung. Electromagnetic pickup with exchangeable stylus assembly for phonograph records. 3,383,474, 5–14–68, Cl. 179—100.41.
Kriebel, Walter, K.-H. Tiedtke, and W. Eggers, to Electroacustic Gesellschaft mit beschrankter Haftung. Sound-reproducing apparatus. 3,401,945, 9–17–68, Cl. 274—11.
Krieger, Alvin W., to Cutler-Hammer, Inc. Toggle switch with subdued light indicator. 3,409,751, 11–5–68, Cl. 200—167.
Krieger, Alvin W., to Cutler-Hammer, Inc. Miniature precision snap action switch with one-piece stressed blade construction. 3,415,962, 12–10–68, Cl. 200—67.
Krieger, Darwin, and H. E. Wortz, to The Bendix Corp. Tilting valve master cylinder. 3,403,516, 10–1–68, Cl. 60—54.6.

Krieger, Edward L., to Sperry Rand Corp. Character recognition system using selectively positioned light conducting rods and including conversion to excess three binary code. 3,412,255, 11–19–68, Cl. 250—227.

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Krieger, Friedrich, M. Sauer, and G. Conrad, to Siemens Aktiengesellschaft. Pressure-sensitive semiconductor microphone. 3,389,233, 6–18–68, Cl. 179—110.

Krieger, Friedrich, and A. Pascher, to Siemens Aktiengesellschaft. Overload protection of pressure sensitive transducer. 3,404,243, 10–1–68, Cl. 179—110.

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Krieger, Joseph P., and G. A. Lockable key-holding receptacle. 3,417,715, 12–24–68, Cl. 109—50.

Krieger, Kenneth H., J. Lago, and J. A. Wantuck, to Merck & Co., Inc. Process for resolving racemic mixtures of optically-active enantiomorphs. 3,405,159, 10–8–68, Cl. 260—465.

Kriegistein, Walter, to Siemens Aktiengesellschaft. Method for producing superconductive layers. 3,397,084, 8–13–68, Cl. 117—217.

Krieps, Frank J., to Container Corp. of America. Piston for material dispensing gun cartridge. 3,378,175, 4–16–68, Cl. 222—327.

Krieps, Frank J., to Container Corp. of America. Snap-on lid for plastic container. 3,380,610, 4–30–68, Cl. 215—41.

Kriesel, Marshall S., to Aerospace Systems Co. Explosively actuated thruster releaser. 3,373,656, 3–19–68, Cl. 89—1.

Kriesel, Marshall S., to Aerospace Systems Co. Load transfer device. 3,396,924, 8–13–68, Cl. 244—137.

Kriesel, Marshall S., to Aerospace Systems Co. Separation device. 3,405,593, 10–15–68, Cl. 85—33.

Kriesel, Marshall S., to Aerospace Systems Co. Variable time delay reefing line cutter. 3,408,026, 10–29–68, Cl. 244—152.

Krieter, John E., to McDonnell Douglas Corp. Fiber optic readout device and method for making it. 3,379,890, 4–23–68, 250—227.

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Krikorian, Garo, to E. I. du Pont de Nemours and Co. Diffusion apparatus. 3,417,925, 12–24–68, Cl. 239—504.

Krikorian, George. Divider construction for wire shelving. 3,367,510, 2–6–68, Cl. 211—126.

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Krimm, Heinrich, H. Schnell, R. Kubens, and K.-H. Andres, to Farbenfabriken Bayer Aktiengesellschaft. Epoxide composition containing the polyglycidyl ethers of 2,4-bis-(4-hydroxy-cumyl) phenol, bis-(4-hydroxy-cumyl)-bis-(4-hydroxyphenyl) 2,2-propane and 2,2-bis-(4-hydroxyphenyl)-propane. 3,383,432, 5–14–68, Cl. 260—830.

Krimm, Heinrich, H. Ruppert, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Process for preparing aminodiphenyl-alkanes. 3,418,371, 12–24–68, Cl. 260—570.

Krimmel, Carl P., to G. D. Searle & Co. N-(dialkylaminoalkyl) adamantanecarboxamides and related compounds. 3,374,244, 3–19–68, Cl. 260—326.3.

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Krings, Adam, and B. Kraemer, to Dynamit Nobel Aktiengesellschaft. Method of making a hose combination of a plastic liner and a fibrous sheath. 3,413,169, 11–26–68, Cl. 156—149.

Krings, Walter, and W. Dittrich, to Dynamit Nobel Aktiengesellschaft. Process for separating titanium tetrachloride from solutions thereof in chloro-siloxanes. 3,375,070, 3–26–68, Cl. 23—203.

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Krinov, Stanley M., M. G. Figuet, A. L. Michaud, and R. J. Mas, to Cabot Corp. Heat exchange process and apparatus. 3,364,983, 1–23–68, Cl. 165—1.

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Kritzer, Richard W., to Peerless of America, Inc. Method of securing fins in a heat exchanger. 3,404,446, 10–8–68, Cl. 29—157.3.

Kritzler, Arthur. Regenerative heat exchangers. 3,361,193, 1–2–68, Cl. 165—10.

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Krizman, John. Through-flow spark arrester. 3,407,575, 10–29–68, Cl. 55—448.

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Krock, Richard H., and E. J. Zdanuk, to P. R. Mallory & Co. Inc. Tungsten structures. 3,368,879, 2–13–68, Cl. 29—182.1.

Krock, Richard H., and G. P. Klein, to P. R. Mallory & Co., Inc. Solid aluminum capacitor with aluminum felt electrodes. 3,373,320, 3–12–68, Cl. 317—230.

Krock, Richard H., and E. J. Zdanuk, to P. R. Mallory & Co., Inc. Tungsten structures. 3,384,464, 5–21–68, Cl. 29—182.1.

Krock, Richard H., and E. J. Zdanuk, to P. R. Mallory & Co. Inc. Molybdenum composite materials and method of making the same. 3,407,048, 10–22–68, Cl. 29—182.1.

Krock, Richard H., and E. J. Zdanuk, to P. R. Mallory & Co., Inc. Method of producing infiltrated contact material. 3,411,902, 11–19–68, Cl. 75—208.

Krock, Richard H., and R. H. Kelsey, to P. R. Mallory & Co., Inc. Preparation of silicon nitride whiskers. 3,413,090, 11–26–68 Cl. 23—191.

Krocker, Werner, and R. Konig, to J. R. Geigy, A.G. Pigment preparations. 3,375,123, 3–26–68, Cl. 106—308.

Kroebel, Heinz, (also known as Krobel, Heinz), A. Winkler, and H. Wilsch, to Agfa-Gevaert Aktiengesellschaft. Tape transport apparatus. 3,384,316, 5–21–68, Cl. 242—55.12.

Kroeger, Hanns H.: *See*—
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Jung, Margarete, and Kroeger. 3,409,474.

Kroeger, Hanns H., and K. Dehmelt, to Varta Aktiengesellschaft Catalytic electrodes and fuel cells therewith. 3,369,938, 2–20–68, Cl. 136—86.

Kroemer, Herbert, and R. D. Fairman, to Varian Associates. Heterojunction semiconductor devices employing carrier multiplication in a high gap ratio emitter-base heterojunction. 3,413,533, 11–26–68, Cl. 317—235.

Kroemer, Robert H., Jr. Food service system. 3,378,105, 4–16–68, Cl. 186—1.

Kroening, Charles A. Chain and sprocket assembly. 3,396,988, 8–13–68, Cl. 280—96.

Kroeper, Hugo, and J. Sand, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of imidazoles. 3,388,132, 6–11–68, Cl. 260—309.

Kroeper, Hugo, H.-M. Weitz, R. Platz, and K. Schloemer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of tertiary-alkyl acrylates and methacrylates. 3,412,141, 11–19–68, Cl. 260—486.

Kroffke, Kenneth K., to Airmatic Valve, Inc. Pneumatic reciprocating valve. 3,380,348, 4–30–68, Cl. 91—318.

Kroffke, Kenneth K., to Airmatic Valve, Inc. Pneumatic reciprocating valve. 3,385,166, 5–28–68, Cl. 91—306.

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Kroger, Mogens. Measuring device for length measuring of footwear. 3,368,281, 2–13–68, Cl. 33—3.

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Krogstad, Reuben S., and R. W. Moss, to The Boeing Co. X-ray spectrometer with means to vary the spacing of the atomic planes in the analyzing piezoelectric crystal. 3,376,415, 4–2–68, Cl. 250—51.5.

Krogstad, Reuben S., and V. and W. Vall; said Krogstad and V. Vall assors. to The Boeing Co. Radiation sensitive geophysical strain measuring apparatus. 3,398,287, 8–20–68, Cl. 250—220.

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Krohm, Fred A., to The Anderson Co. Windshield wiper arm and blade assembly. 3,383,731, 5–21–68, Cl. 15—250.23.

Krohn, Fritz F. W., to General Dynamics Corp. Method of making reinforced panels of high temperature material. 3,400,444, 9–10–68, Cl. 29—423.

Krohn, Henry W., J. S. Hawkes, M. G. Anderson, and R. K. Boyer, to The Goodyear Tire & Rubber Co. Tire valve for dual-chambered tires providing for simultaneous but unequal inflation and deflation of said chambers. 3,361,153, 1–2–68, Cl. 137—234.5.

Krohn, Lloyd N.: *See*—
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Krohncke, Kenneth. Rotor blade and method of fabricating the same. 3,372,757, 3–12–68, Cl. 170—159.

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Kroll, Harley E., to Toro Mfg. Corp. Non-spill grass catcher. 3,408,801, 11–5–68, Cl. 56—199.

Kroll, Harry, to J. S. Guleserian. Electrodeposition of nickel. 3,378,470, 4–16–68, Cl. 204—49.

Kroll, Harry, C. Sahely, and M. A. Lipson, to Philip A. Hunt Chemical Corp. Silver and copper tarnish preventatives. 3,410,703, 11–12–68, Cl. 106—3.

Kroll, Henry M.: *See*—
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Kroll, Wolf R. Alkali metal azide complexes of organo-aluminum compounds and uses thereof. 3,406,187, 10–15–68, Cl. 260—349.

Kroll, Wolfram R., to Esso Research and Engineering Co. Preparation of aluminum cyclopentadienyl compounds. 3,376,331, 4–2–68, Cl. 260—448.

Kroll, Wolfram R., to Esso Research and Engineering Co. Method of making novel bimetallic heterogeneous catalysts and their use in hydrocarbon conversions. 3,409,681, 11–5–68, Cl. 260—666.

Kroll, Wolfram R., to Esso Research and Engineering Co. Hydrogenation process employing a transition metal catalyst. 3,412,174, 11–19–68, Cl. 260—683.9.

Kroll, Wolfram R., and R. B. Long, to Esso Research and Engineering Co. Separation process for cyclic olefins. 3,376,354, 4–2–68, Cl. 260—666.

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Krone, Russell R. Method of manufacturing a rotary switch. 3,411,201, 11–19–68, Cl. 29—597.

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Kronenberger, Paul E., to General Motors Corp. Refrigerator divider shelf assembly. 3,407,016, 10–22–68, Cl. 312—296.

Kronenberger, Paul E., J. J. O'Connell, and O. V. Saunders, to General Motors Corp. Refrigerator with high humidity subcompartment. 3,394,557, 7–30–68, Cl. 62—186.

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Krongos, Zaharias. Water filter device. 3,374,895, 3–26–68, Cl. 210—266.

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Kronholm, Donald D., to Hyster Co. Tandem roller. 3,416,419, 12–17–68, Cl. 94—50.

Kronig, Walter, B. G. G. Frenz, deceased (by W. E. U. Frenz, heir and legal representative), W. Schwerdtel, and J. Grollg, to Farbenfabriken Bayer Aktiengesellschaft. Process for producing acetic acid. 3,362,987, 1–9–68, Cl. 260—497.

Kronig, Walter, W. Mayrhofer, G. Scharfe, and K. Halcour, to Farbenfabriken Bayer Aktiengesellschaft. Process for the selective hydrogenation of C4-fractions. 3,373,219, 3–12–68, Cl. 260—681.5.

Kronk, Richard M., and H. C. Stonecipher, to General Electric Co. Air separation device and liquid delivery system incorporating same. 3,377,779, 4–16–68, Cl. 55—204.

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Kropa, Edward L., and G. M. Gynn, to Plastics Mfg. Co. Formaldehyde-2-methyl glutaroguanamine reaction product and molding compositions produced therefrom. 3,394,091, 7–23–68, Cl. 260—17.3.

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Kross. Robert D., to Isolated Beef Protein Supplements, Inc. Assay method. 3.386,806, 6–4–68, Cl. 23—230.

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Krtous, George F., and F. L. Weninger, to Bell & Howell Co. Take-up reel having variably torqued sprocket ring. 3,399,845, 9–3–68, Cl. 242—74.

Krubiner, Alan M., and E. P. Oliveto, to Hoffmann-La Roche Inc. Process for the preparation of 17β-pregnanes from 17-oxo-steroids. 3,385,849, 5–28–68, Cl. 260—239.55.

Krubiner, Alan M., and E. P. Oliveto, to Hoffman-La Roche Inc. Process for the production of 17-ethylidene steroids. 3,414,564, 12–3–68, Cl. 260—239.5.

Kruccenberg, Winfried, to Farbenfabriken Bayer Aktiengesellschaft. Monoazo dyestuffs. 3,406,165, 10–15–68, Cl. 260—207.1.

Kruckewitt, Wilfried: *See*—
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Kruckman, Le Roy W. Transportation system including electric vehicle. 3,412,819, 11–26–68, Cl. 180—2.

Krueger, Allison F. Self-locking adjustable tablet arm. 3,367,713, 2–6–68, Cl. 297—162.

Krueger, Allison F., deceased; by H. V. N. Krueger, G. E. Bills, F. N. Trowbridge, Sr., P. J. Hendrickson, and J. M. Rose, executors. Tablet arm adaptor for chairs. 3,375,038. 3–26–68, Cl. 297—160.

Krueger, Allison F., deceased; by H. V. N. Krueger, G. E. Bills, F. N. Trowbridge, Sr., P. J. Hendrickson, and Kellogg Citizens National Bank of Green Bay, executors. Height adjustment lock for table legs. 3,410,232, 11–12–68, Cl. 108—146.

Krueger, Alfred P., to Minnesota Mining and Mfg. Co. Tape dispenser. 3,385,150. 5–28–68, Cl. 83—241.

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Krueger, Helen V. N.: *See*—
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Krueger, Loren L., to Honeywell Inc. Fluid pumping apparatus. 3,366,069, 1–30–68, Cl. 103—120.

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Krueger, Theodore H., Jr. Screen stencil with separate border strips. 3,416,445, 12–17–68, Cl. 101—128.1.

Krug, Heinrich A. Dolphin or marine construction. 3,379,020, 4–23–68, Cl. 61—46.

Krug, John A. K., Jr., to ACF Industries, Inc. Floor securing means. 3,399,636, 9–3–68, Cl. 105—422.

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Krug, William H. Self-starting synchronous motor. 3,416,017, 12–10–68, Cl. 310—164.

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Kruger, Albert. Mouse trap. 3,394,488, 7-30-68, Cl. 43—81
Kruger, David J., to Federal Pacific Electric Co. Time delay cartridge fuse. 3,418,614, 12-24-68, Cl. 337—164.
Kruger, Harry, G.m.b.H.: *See*—
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Kruger, Herbert A., to Kimball Systems Ltd. Selective rotary epicyclic label printer. 3,363,550, 1-16-68, Cl. 101—92.
Kruger, James B., to Philip Morris, Inc. Method and apparatus for shaping, sharpening and polishing razor blades. 3,414,501, 12-3-68, Cl. 204—206.
Kruger, James B., D. E. Sweeney, and L. W. Le Page, to Scovill Mfg Co. Spring clamp. 3,402,442, 9-24-68, Cl. 24—255.
Kruger, Johannes, 10% to E. B. Hunter. Fuel supply systems for internal combustion engines. 3,411,489, 11-19-68, Cl. 123—133.
Kruger, Nicholas: *See*—
Chambers, Jerome B., and Kruger. 3,376,077.
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Krupsky, Michael R. Combination clothes washer, dryer, dishwasher, drycleaner, and garment appearance-finishing machine. 3,402,576, 9-24-68, Cl. 68—4.
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Vives, Van C., and Kruse. 3,413,359.
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Kruse, Orien A., to Studebaker Corp. Engine decompression apparatus. 3,395,689, 8-6-68, Cl. 123—182.
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Krusemark, Frederick A. Mechanical linkage. 3,410,152, 11-12-68, Cl. 74—516.
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Krutchen, Charles M., and K. E. Sheets, to W. R. Grace & Co. Extrusion coating equipment. 3,404,433, 10-8-68, Cl. 18—13.
Kruth, Andre E. Chalk board eraser. 3,418,673, 12-31-68, Cl. 15—118.
Kruy, Joseph F., and C. V. Ramamoorthy, to Honeywell Inc. Combined binary decoder-encoder employing tunnel diode, pyramid-organized switching matrix. 3,387,298, 6-4-68, Cl. 340—347.
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Krzyszczuk, Edward, to American Hospital Supply Corp. Air driven variable speed turbine for angular and straight handpieces. 3,386,702, 6-4-68, Cl. 253—3.
Krzyzanowski, Robert A., to Milprint, Inc. Dispenser carton with swingable bottom. 3,367,552, 2-6-68, Cl. 229—17.
Krzyzanowski, Robert A., to Milprint, Inc. Dispenser package. 3,370,776, 2-27-68, Cl. 229—27.
Krzyzanowski, Robert A., to Milprint, Inc. End closure for a combination package. 3,392,901, 7-16-68, Cl. 229—14
Krzyzanowski, Robert A., to Milprint Inc. Double compartment carton and blank therefor. 3,412,924, 11-26-68, Cl 229—51.
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Ku, Edmond C.-C., to Miles Laboratories, Inc. Diagnostic composition. 3,411,887, 11-19-68, Cl. 23—230.
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Kuba, Richard E., to North Electric Co. Current spike suppressor for inverter. 3,408,551, 10-29-68, Cl. 321—10.

Kuban, William G., to Kurt Mfg. Co. Vise clamp. 3,397,880, 8–20–68, Cl. 269—240.
Kubat, Josef, C. Pattyranie, D. Wahrem, K. E. Almin, O. Andersson, and F. Johanson, to Rederiaktiebolaget Nordstjernan, Axel Johnson Institutet for Industriforskning I Nynashamn. Device for separation and fractionation of material dissolved or suspended in a liquid. 3,396,850, 8–13–68, Cl. 210—322.
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Kubicek, Louis A., to Burr-Ban Tool Service Co. Deburring tools. 3,411,386, 11–19–68, Cl. 77—73.5.
Kubicek, Naci F. to Shell Oil Co. Agricultural spray oils. 3,410,787, 11–12–68, Cl. 208—57.
Kublios, Charles A., to Abex Corp. Single receiver port jet displacement servovalve. 3,401,711, 9–17–68, Cl. 137—83.
Kubinski, Ronald J., and D. W. Hagemann, to Sundstrand Corp. Piston return mechanism. 3,399,628, 9–3–68, Cl. 103—162.
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Kubler, Alfred, H. Jahn, and H. Pilz, to Siemens Aktiengesellschaft. Capacitive voltage transformer and current transformer combination unit. 3,411,069, 11–12–68, Cl. 323—44.
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Yamagishi, Kazuo, Sakakibara, Abe, Kubo. 3,408,392.
Kubo, Takahiro: *See*—
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Kubodera, Hisayoshi. Apparatus for mixing, milling, washing, extracting, and other processes. 3,380,671, 4–30–68, Cl. 241—98.
Kubokawa, Masaharu. Locking washers. 3,370,632, 2–27–68, Cl. 151—38.
Kubota, Hiroyuki, and J. Tanaka, to Nippon Kokan Kabushiki Kaisha. High tensile strength steel alloys. 3,402,080, 9–17–68, Cl. 148—36.
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Kubota, Masaichi, A. Kawai, and S. Omoto, to Mitsubishi Rayon Co., Ltd. Process for producing highly crimped fibers. 3,419,652, 12–31–68, Cl. 264—168.
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Kubota, Takashi, and S. Yamazaki, to Hitachi, Ltd. Radio communication receiver with standby control and warning circuit. 3,372,338, 3–5–68, Cl. 325—364.
Kubota, Yasuharu, K. Ouchi, and Y. Koyama, to Sony Corp. Distributed parameter UHF tuner. 3,389,339. 6–18–68, Cl. 325—458.
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Kubový, Miloslav, E. Jifasek, J. Stafy, and K. Zavadsky, to Vyzkumny Ustav Bavlnarsky. Fiber feeding device for a rotary spinning chamber. 3,360,917, 1–2–68, Cl. 57—58.95.
Kubový, Miloslav, J. Starý, and E. Jirásek, to Vyzkumny Ustav Bavlnarsky. Sealing arrangement for a spinning apparatus. 3,367,099, 2–6–68, Cl. 57—58.89.
Kubovy, Miloslav, E. Jirasek, K. Zavadsky, and J. Stary, to Vyzkumny Ustav Bavlnarsky. Device for guiding yarn. 3,404,523, 10–8–68, Cl. 57—58.89.
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Kucera, Carrell J., to American Home Products Corp. Process of attenuating infectious Bovine Rhinotracheitis hiruses. 3,366,543, 1–30–68, Cl. 167—78.
Kucera, Clement M., and P. W. Schumacher, Jr., to Reed Roller Bit Co. Drill bit. 3,385,385, 5–28–68, Cl. 175—374.
Kucera, Joseph B., ½ to R. L. Lowell. Silo unloading machine. 3,363,785, 1–16–68, Cl. 214—17.
Kucera, Miloslav, J. Lanikova, and E. Spousta. Method of producing polymers of trioxane and similar oxa-compounds. 3,383,335, 5–14–68, Cl. 260—2.
Kucerik, Oldrich: *See*—
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Kuceski, Vincent P., and J. J. McGuire, ½ to C. P. Hall Co. and ½ to Uniroyal Inc. Vinyl chloride resins plasticized with dimethyl fatty amides. 3,407,166, 10–22–68, Cl. 260—32.6.
Kuch, Heinz, G. Seidl, and I. Hoffmann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. 3,1-benzothiazines and 3,1-benzoxazines. 3,417,085, 12–17–68, Cl. 260—243.
Kucharski, Thaddeus W., F. H. Thomas, and V. A. Quarve, to Eastman Kodak Co. Extrusion die. 3,377,655, 4–16–68, Cl. 18—12.
Kuchek, Henry A., to The Dow Chemical Co. Clad porous metal articles. 3,385,449, 5–28–68, Cl. 210—484.
Kuchenbecker, Morris W., to American Can Co. Easy open carton construction and blank therefor. 3,402,876, 9–24–68, Cl. 229—51.
Kuchera, Gerald J., to A. O. Smith Corp. Method of forming an elongated channel member. 3,367,009, 2–6–68, Cl. 29—155.
Kuchins, Albin G., ¼ to R. La Mantia. Hammer head mounting. 3,394,745, 7–30–68, Cl. 145—36.
Kuchler, Abraham, to Emhart Corp. Latch control device. 3,390,910, 7–2–68, Cl. 292—359.
Kuchlin, Sander W., to Notraco International Ltd. Container, package or carton for comestibles and non-edible products. 3,394,388, 7–23–68. Cl. 229—14.
Kuck, Ewald D. Monolithic concrete silo and forms for making the same. 3,418,769, 12–31–68, Cl. 52—184.
Kuckens, Alexander, to National Rejectors, Inc. SCR Counter featuring amplification stage to compensate for signal attenuation of preceding stages. 3,408,508, 10–29–68, Cl. 307—225.
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Cinkutis, Robert J., and Kuczynski. 3,369,409.
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Kuder, Benedict A. Welding process. 3,365,566, 1–23–68, Cl. 219—160.
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Kudlacik, Henry W., to General Electric Co. Generator cooling structure. 3,393,333, 7–16–68, Cl. 310—61.
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Kudlaty, Walter J., to Marvel Engineering Co. Indicating by-pass assembly. 3,371,787, 3–5–68, Cl. 210—90.
Kudlaty, Walter J., to Marvel Engineering Co. Hydraulically balanced by-pass indicator for filters. 3,374,890, 3–26–68, Cl. 210—90.
Kudlaty, Walter J., to Marvel Engineering Co. Rod seal. 3,380,745, 4–30–68, Cl. 277—152.
Kudlaty, Walter J., to Marvel Enginering Co. Pressure differential indicator. 3,411,477, 11–19–68, Cl. 116—70.
Kudlaty, Walter J., R. N. Luchetta, and R. T. Sochor, to Marvel Engineering Co. Magnetic filter. 3,371,790, 3–5–68, Cl. 210—223.
Kudlaty, Walter J., and F. G. Niccum, to Marvel Engineering Co. Apparatus for removing entrapped air in filters. 3,384,242, 5–21–68, Cl. 210—436.
Kudo, Shiro, S. Yada, and T. Yamauchi, to Kyowa Hakko Kogyo Co., Ltd. Hydrogenation catalyst composition consisting of aluminum, copper and cadmium. 3,412,042, 11–19–68, Cl. 252—463.
Kuechler, William L., to Entoleter, Inc. Contacting method and apparatus. 3,409,278, 11–5–68, Cl. 261—79.
Kuecken, John A., to Avco Corp. Threshold servo control system. 3,417,255, 12–17–68, Cl. 307—39.
Kueffer, Philippe G., to General Time Corp. Drive system for tuning fork timepiece. 3,410,081, 11–12–68, Cl. 58—23.

Kueffner, Herbert, and F. Carlsohn, to VEB Industrieporjektierung Jena. Air-conditioning arrangement for high industrial halls of large open area. 3,408,913, 11–5–68, Cl. 98—30.

Kuehl, Donald K., to United Aircraft Corp. High energy fuel systems. 3,381,473, 5–7–68, Cl. 60—219.

Kuehl, Donald R., and C. G. Peters, to American Can Co. Multi-product carton with product-retaining feature. 3,415,362, 12–10–68, Cl. 206—47.

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Kuehnle, Manfred R. Toroidal transmission. Re. 26,476, 10–8–68, Cl. 74—424.5.

Kuehns, Ernest G., to Miles Laboratories, Inc. Dermatological abradant stick-type applicator. 3,383,280, 5–14–68, Cl. 167—58.

Kuenstler, Hans-George, G. J. Del Franco, and E. J. Aronoff, to Interchemical Corp. Coating compositions containing phenol modified polydiene resins and metal driers. 3,391,115, 7–2–68, Cl. 260—51.

Kueny, Kenneth E., to Johnson Products Inc. Tungsten containing alloy cast iron useful for internal combustion engine parts. 3,370,941, 2–27–68, Cl. 75—128.

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Kuester, Frank E., and P. H. Rhodes, to Swift & Co. High oxirane fatty esters. 3,377,304, 4–9–68, Cl. 260—23.

Kuesters, Eduard, and V. Appenzeller. Device for the width treatment of textile breadths with a liquid. 3,406,542, 10–22–68, Cl. 68—175.

Kueter, Hubert C. Ski boot stiffening. 3,408,754, 11–5–68, Cl. 36—2.5.

Kuether, Siegfried, to Tamco Ltd. Fluid pump for watercraft. 3,362,371, 1–9–68, Cl. 114—151.

Kuether, Siegfried, to Tamco Ltd. Water jet propulsion apparatus. 3,387,583, 6–11–68, Cl. 115—.5.

Kuffer, Clarence O., to Aerosol Research Co. Pressure fillable aerosol valve assembly. 3,375,957, 4–2–68, Cl. 222—402.16.

Kufferath, Josef. Mesh fabric. 3,368,663, 2–13–68, Cl. 198—193.

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Kugler, Emanuel. Apparatus for making a tapered bag. 3,382,132. 5–7–68, Cl. 156—515.

Kugler, Emanuel. Flexible bag. 3,385,428, 5–28–68, Cl. 206—57.

Kugler, Emanuel. Plastic bags. 3,387,766, 6–11–68, Cl. 229—62.

Kugler, Emanuel. Satchel bottom bag manufacture. 3,395,622, 8–6–68, Cl. 93—35.

Kugler, Emanuel. Plastic bag. 3,399,822, 9–3–68, Cl. 229—62.5.

Kugler, Fritz, O. Ernst, W. Selz, and P. Ruf, to Ciba Ltd. Curable mixtures comprising cycloaliphatic polyepoxy compounds, curing agents, and metal accelerators. 3,385,835, 5–28–68, Cl. 260—78.4.

Kugler, Fritz, and O. Ernst, to Ciba Ltd. Curable mixtures of cycloaliphatic polyepoxides, curing agents and accelerators. 3,405,102, 10–8–68, Cl. 260—78.4.

Kugler, Kenneth G., to Bausch & Lomb Inc. Lens testing autocollimator. 3,375,754, 4–2–68, Cl. 88—56.

Kugler, Ralph W., and R. A. Wenston, to Westinghouse Air Brake Co. Circuit controller for railway switch machines. 3,396,270, 8–6–68, Cl. 246—218.

Kugler, Robert J., to Action Packaging Corp. Plastic bag for round-shaped object. 3,405,863, 10–15–68, Cl. 229—57.

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Kuhlkamp, Alfred, and R. Nowack, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Foam plastics and process for making them. 3,398,103, 8–20–68, Cl. 260—2.5.

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Kuhlkamp, Alfred, O. Mauz, and S. Gowecke, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for making epoxy resin foam plastics. 3,406,131, 10–15–68, Cl. 260—2.5.

Kuhlkamp, Alfred, A. Moschel, and R. Nowack, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Foam plastics and process for making them. 3,407,152, 10–22–68, Cl. 260—2.5.

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Kuhn, Stephen J., to The Dow Chemical Co. Method for the preparation of complex fluoronitrosonium salts. 3,375,084, 3–26–68, Cl. 23—356.

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Kuntz, Urban E., to United Aircraft Corp. Vapor coating conductive filaments utilizing uniform temperature. 3,409,469, 11–5–68. Cl. 117—231.

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Kuriyama, Tsuneto, T. Kuroda, S. Tanba, and I. Toshima, to Yoshitomo Seiyaku Kabushiki Kaisha, and Mitsubishi Petrochemical Co. Ltd. Polyolefin composition stabilized with hydrazones. 3,407,174, 10–22–68, Cl. 260—45.9.
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Kurtz, Harold I. Method and apparatus for the treatment of sewage. 3,395,799, 8–6–68, Cl. 210—1.

Kurtz, John. Coupling device for plastic-lined pipe. 3,399,908. 9–3–68, Cl. 285—55.

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Kurtz, Leonard D., to Sutures, Inc. Impregnation of stretched multifilament polyester suture with polytetrafluoroethylene. 3,379,552, 4–23–68, Cl. 117—7.

Kurtz, Leonard D., to Sutures, Inc. Microbiocidal suture containing quaternary ammonium compounds and method for making. 3,388,704, 6–18–68, Cl. 128—335.5.

Kurtz, Leonard D., to Sutures Inc. Polyester suture having improved knotting characteristics. 3,390,681, 7–2–68, Cl. 128—335.5.

Kurtz, Ralph W., to Clow Corp. Push-joint and gasket for cast pipe. 3 390,890, 7–2–68, Cl. 277—205.

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Kusel, Edward J., and R. S. Mankin. Railing assembly having a replaceable newel post cap. 3,368,798, 2–13–68, Cl. 256—65.

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Kuskevics, Guntis, and C. W. Scott, to Electro-Optical Systems, Inc. Bakeable vacuum valve. 3,384,107, 5–21–68, Cl. 137—329.05.

Kusmer, Kasimir C. Buoyancy demonstrating apparatus. 3,412,482, 11–26–68, Cl. 35—19.

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Kuss, Robert S. Prestressed enclosure. 3,382,625, 5–14–68, Cl. 52—63.

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Kussy, Frank W., to I-T-E Circuit Breaker Co. Manual reversing starters for electrical loads. 3,419,755, 12–31–68, Cl. 317—13.

Kussy, Frank W., and B. Di Marco, to I-T-E Circuit Breaker Co. Mechanism for selectively operating one of two devices. 3,369,100, 2–13–68, Cl. 200—172.

Kuster, Hans G., to Rubber and Wheel Industries (Proprietary) Ltd. Fastening assemblies. 3,395,864, 8–6–68, Cl. 238—310.

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Kusters, Eduard. Apparatus for dewatering paper. 3,364,103, 1–16–68, Cl. 162—358.

Kusters, Eduard. Calender rolls. 3,365,774, 1–30–68, Cl. 29—116.

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Kusunose, Tetsuhiro, S. Senoo, and M. Nitta, to Asahi Kasei Kogyo Kabushiki Kaisha. Method for producing threonine. 3,402,199, 9–17–68, Cl. 260—534.

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Kutch, Edward F., to Thiokol Chemical Corp. Storable, one-part polythiol compositions with amine-loaded molecular sieves. 3,402,155, 9–17–68, Cl. 260—79.

Kutcher, Eugene R., to TRW Inc. Pressure relief boot seal. 3,403,932, 10–1–68, Cl. 287—87.

Kutcher, Ira D., to McGraw-Edison Co. Automatic glazing and sanding machine. 3,384,048, 5–21–68, Cl. 118—2.

Kutchera, Don H., and D. A. Payant, to Kimberly-Clark Corp. Wood chip crusher. 3,406,624, 10–22–68, Cl. 100—176.

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Kutka, Vincent C., to National Can Corp. Can and can end unit. 3,376,997, 4–9–68, Cl. 220—48.

Kutner, Abraham, to Hercules, Inc. Process for improving the dyeability of polyolefins. 3,371,982, 3–5–68, Cl. 8—97.

Kutner, Abraham, to Hercules Inc. Purification of polyolefins. 3,415,800, 12–10–68, Cl. 260—93.7.

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Kuts, Mathew, to The B. F. Goodrich Co. Band cutting apparatus. 3,375,745, 4–2–68, Cl. 83—176.

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Lansing Bagnall Ltd.: *See*—
Dixon, John D. 3,390,798.
Dixon, John D., and Goodacre. 3,394,828.
Goodacre, Cecil. 3,370,668.
Goodacre, Cecil. 3,394,770.
Goodacre, Cecil, and Dixon. 3,390,797.
Goodacre, Ronald. 3,408,120.
Goodacre, Ronald. 3,412,627.
Payne, Ivan S. 3,374,412.
Payne, Ivan S. 3,396,313.
Ward, Joseph L., and Dixon. 3,407,950.
Lansink, Gerrit J., to N.V. Hollandse Signaalapparaten. Circuit arrangement for feeding electrical apparatus by way of a transistor circuit. 3,396,292, 8-6-68, Cl. 307—202.
Lansky, Zdenek J., to Parker-Hannifin Corp. Airline lubricator. 3,384,103, 5-21-68, Cl. 137—205.5.
Lantery, Harry E., to Imagineers, Inc. Seal swivel joint for vehicle warning light. 3,366,788, 1-30-68, Cl. 240—52.
Lanthier, Raymond, to Shawinigan Chemicals Ltd. Vinyl acetate-acrylamide copolymer emulsions. 3,365,409, 1-23-68, Cl. 260—29.6.
Lanyi, Ronald J., and R. C. Helm, to Westinghouse Electric Corp. Cylindrical magnetostrictive electromechanical transducer. 3,406,302, 10-15-68, Cl. 310—26.
Lanz, Renato: *See*—
Cogliati, Guido, Dee Leone, Mezi, Scibona, and Lanz. 3,401,122.
Lanza, Conrad, to International Business Machines Corp. Voltage controlled variable frequency gunn-effect oscillator. 3,377,566, 4-9-68, Cl. 331—107.
Lanza, Ernest: *See*—
Block, Harry W., Finucane, and Lanza. 3,409,442.
Lanza, Vincent L.: *See*—
Heslop, William R., Lanza, and Stivers. 3,415,287.
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Boothe, Willis A., and Lanza. 3,395,719.
Lanzara, Edward M., to General Electric Co. Stereophonic speaker arrangement. 3,384,719, 5-21-68, Cl. 179—146.
Lanzarone, Otto R. and R. L. Adjustable, extensible, telescopic and collapsible handle for attachment to household cleaning devices. 3,407,424, 10-29-68, Cl. 15—145.
Lanzarone, Richard L.: *See*—
Lanzarone, Otto R. and R. L. 3,407,424.
Lanzilotti, Anthony E., and L. Goldman, to American Cyanamid Co. Novel substituted hydraziyohimbanes. 3,373,165, 3-12-68, Cl. 260—287.
Lanzo, Rosario: *See*—
Mostardini, Rino, Magri, Lanzo, and Piazza. 3,370,052.
Laos, Ivar: *See*—
Johns, William F., and Laos. 3,361,791.
Laos, Ivar, to G. D. Searle & Co. 16-hydroxy-17-oxy-16-oxymethylandrost-4-en-3-ones. 3,384,646, 5-21-68, Cl. 260—397.4.
LaPaglia, Anthony J., R. N. Rand, and O. H. Sahmel, to Bausch & Lomb Inc. Electrophoresis migration tank having means for maintaining controlled conditions. 3,371,027, 2-27-68, Cl. 204—299.
La Pan, Raymond D., to C. G. Sargent's Sons Corp. Hinges and constructions incorporating the same. 3,392,422, 7-16-68, Cl. 16—147.
La Pan, Raymond D., to C. G. Sargent's Sons Corp. Driers and components thereof. 3,402,481, 9-24-68, Cl. 34—216.
Lape, William H., to Textile Machine Works. Vertical stacker. 3,403,792, 10-1-68, Cl. 214—6.
Lapera, Dominic J. to Parker-Hannifin Corp. Pressure regulator. 3,411,523, 11-19-68, Cl. 137—116.5.
Lapeyre, James M.: *See*—
Lapeyre, James M., Couret, and Fougere. 3,440,398.
Lapeyre, James M., to The Laitram Corp. Apparatus for peeling shrimp. 3,383,734, 5-21-68, Cl. 17—2.
Lapeyre, James M., R. F. Couret, and G. L. Fougere, to J. M. Lapeyre. Broadcast apparatus for position determining system. 3,440,398, 9-8-68, Cl. 343—106.
Lapham-Hickey Steel Corp.: *See*—
Hickey, William M. 3,417,857.

Lapham, Richard G.: *See*—
Funk, John W., Pelowski, Lapham, and Andrews. 3,368,-726.
Lapham, Warren V., to Chrysler Corp. Induction heating inductors 3,378,917, 4–23–68, Cl. 29—602.
Lapidus, Milton, to American Home Products Corp. Chromatographic purification of influenza virus with brushite modified by autoclaving. 3,368,867, 2–13–68, Cl. 23—108.
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Lapinski, Francis A., to Honeywell Inc. Electrostatic recorder with drive system including feedback means. 3,383,699, 5–14–68. Cl. 346—74.
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Lapkin, Milton: *See*—
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La Plante, Jerry C., to Alloys Unlimited, Inc. Powder rolling of nickel-iron-cobalt alloys. 3,396,015, 8–6–68, Cl. 75—214.
La Point, William E.: *See*—
Helda, Robert W., and La Point. 3,400,448.
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La Pointe, Gabriel M., to Parker Mfg. Co. Screw holder and driver. 3,409,058, 11–5–68, Cl. 145—50.
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Lapointe Machine Tool Co., The: *See*—
Stiff, Bernard G. E. 3,377,260.
Stiff, Bernard G. E. 3,401,102.
La Police, George D., and L. F. Daman, to The Singer Co. Presser foot pressure indicating device for sewing machines. 3,382,830. 5–14–68. Cl. 112—235.
Laporte Chemicals Ltd.: *See*—
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Marshall, John G., Hildon, Oates, and Clennett. 3,366,-449.
Laporte Titanium Ltd.: *See*—
DeRycke, Douglas A. C., and Dear. 3,361,525.
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Lappin, Gerald R.: *See*—
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Lappin, Gerald R., to Eastman Kodak Co. Copolymeric ether glycol. 3,381,038. 4–30–68, Cl. 260—611.
Lappin, Kenneth R., and J. A. Maurer, to The Weber Dental Mfg. Co. Dental bowl flusher construction. 3,384,907, 5–28–68, Cl. 4—264.
Lapple, August, G.m.b.H. & Co.: *See*—
Chrubasik, Paul. 3,410,202.
Lapple, Charles E., to Stanford Research Institute. Vacuum atomization. 3,378,883, 4–23–68, Cl. 18—2.7.
Lapple, Johannes, to Siemens-Schuckertwerke Aktiengesellschaft. Overvoltage arrester having stacked arrays of arc gap and grading resistor units. 3,366,831, 1–30–68, Cl. 315—36.
Lappo, George J. Pump. 3,415,198, 12–10–68, Cl. 103—150.
Lapporte, Seymour J., to Chevron Research Co. Alkyl succinate ester process. 3,413,335, 11–26–68, Cl. 260—485.
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Steinbarth, Ralph H., and O'Grady. 3,413,128.
Lapreziosa, Emanuel: *See*—
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Lapshin, Pavel V., to Nauchno-Issledovatelsky Institute Zhelezobetounykh Izdely, Strollelnykh i Nerudnyk Materialov. Method of manufacturing a three-component water-resisting binding agent. 3,411,924, 11–19–68, Cl. 106—89.
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Dangauthier, Marcel. 3,384,060.
Dangauthier, Marcel. 3,417,634.
Lapworth, Charles W. Sailboat construction. 3,364,509, 1–23–68, Cl. 9—6.
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Turillon, Pierre P., Crawford, Trapp, and La Que. 3,368,-880.
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Schaeffer, Andre, Clauss, and Laquerriere. 3,380,830.
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Sawyer, Arthur W., and Larchar. 3,385,816.
Larchian, George A., to North American Rockwell Corp. Composite dual dielectric for isolation in integrated circuits and method of making. 3,385,729, 5–28–68, Cl. 117—200.
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La Reis, Joseph I. Corner reinforcement for an upholstered article. 3,406,411, 10–22–68, Cl. 5—345.
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Beroset, John E., and Large. 3,388,795.
Griesemer, Harold A., and Large. 3,386,156.
Large, Richard L.: *See*—
Jones, Emerson, and Large. 3,379,450.
Large, David J., and R. H. Swartley, to Varian Associates. Variable-frequency tuned-cavity coupler. 3,412,341, 11–19–68, Cl. 330—56.
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Lari, Ion, and D. Milos, to Ministerul Petrolului. Turbine for drilling oil wells and gas wells. 3,405,912, 10–15–68, Cl. 253—3.
Larimer, Victor L., to Ashland Oil and Refining Co. Process for isomerizing unsaturated fatty acids or derivatives thereof. 3,377,367, 4–9–68, Cl. 260—405.6.
Larimer, Victor L., to Ashland Oil and Refining Co. Process for isomerizing unsaturated fatty acids or derivatives thereof. 3,389,156, 6–18–68, Cl. 260—405.6.
Larimer, Victor L., to Ashland Oil and Refining Co. Liquid phase alkylation of thiophene. 3,391,161, 7–2–68, Cl. 260—332.2.
Larison, Oliver K., to United States of America, Navy. Humidrometer having feedback means to control the energization of the tube. 3,403,253, 9–24–68, Cl. 250—83.3.
Larizza, Angelo, and G. Brancaccio, to Richardson-Merrell S.p.A. Phenyl-alpha-piperazino alkanoates. 3,389,138, 6–18–68. Cl. 260—268.
Larkam, Charles W., G. E. English, B. R. Hammer, E. H. Block, and J. L. Collins, to United States of America, Navy. Solion polarized cathode acoustic linear transducer. 3,374,-403, 3–19–68, Cl. 317—231.
Larkam, Charles W., and R. J. Miller, to United States of America, Navy. Solion current meter. 3,382,715, 5–14–68, Cl. 73—212.
Larkfeldt, Birger, to Aktiebolaget Svenska Flaktfabriken. Air inlet device. 3,392,657, 7–16–68, Cl. 98—40.
Larkfeldt, Birger, J. Rosenberg, and E. Haglund, to Aktiebolaget Svenska Flaktfabriken. Valve for gaseous medium. 3,369,567, 2–20–68, Cl. 138—46.
Larkfeldt, Birger, and J. Rosenberg, to Aktiebolaget Svenska Flaktfabriken. Device for the supply of ventilating air in rooms. 3,389,648, 6–25–68, Cl. 98—41.
Larkfeldt, Birger, and A. Svensson, to Aktiebolaget Svenska Flaktfabriken. Valve for supplied or exhausted room air. 3,389,649, 6–25–68, Cl. 98—41.
Larkfeldt, Birger, and J. Rosenberg, to Aktiebolaget Svenska Flaktfabriken. Damper for regulating the flow of a gaseous medium. 3,391,756, 7–9–68, Cl. 181—50.
Larkin, Barrymore T., to Koppers Co., Inc. Substituted resorcinol compound and method of making same. 3,367,976, 2–6–68, Cl. 260—611.
Larkin Coils, Inc.: *See*—
Nussbaum, Otto J. 3,365,902.
Nussbaum, Otto J. 3,392,541.
Nussbaum, Otto J. 3,392,542.
Nussbaum, Otto J. 3,402,564.
Larkin, James D.: *See*—
Anas, Thomas, Larkin, and Watson. 3,406,138.
Larkin, Joseph F., to IRC, Inc. Transfer mechanism. 3,401,-807. 9–17–68, Cl. 214—1.
Larkin, Mark E.: *See*—
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Larkin, Mark E., to Phillips Petroleum Co. Closure latch and container. 3,394,838, 7–30–68, Cl. 220—60.
Larkins, Joseph J. Hole closure device. 3,392,872, 7–16–68, Cl. 220—59.
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Laroche, Robert. Weigh feed mechanism. 3,405,774, 10–15–68, Cl. 177—46.
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Gleich, Walter A., and La Rochelle. 3,400,161.
La Rosa, Richard, to Hazeltine Research, Inc. Parametric amplification systems utilizing low pump frequencies with circulator and up-converter isolation. 3,393,371, 7–16–68, Cl. 330—4.5.
La Rosa, Richard, to Hazeltine Research, Inc. Parametric amplification systems utilizing low pump frequencies. 3,411,-015, 11–12–68, Cl. 307—88.3.
Larose, Gerard M., to Allis-Chalmers Mfg. Co. System for controlling excitation to synchronous motor during starting. 3,381,196. 4–30–68. Cl. 318—176.
Larrabee, Claude A. Multiple outlet receptacle. 3,400,732, 9–10–68, Cl. 137—344.
Larrabee, Graydon B.: *See*—
Clark, Jack H., Van Tassel, Larrabee, and Haefling. 3,419,765.
Larrick, Linda C.: *See*—
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Edwards, Jame W., Mays, and Larrigan. 3,410,210.
Larrington, Albert N. Work scheduling apparatus. 3,371,438. 3–5–68, Cl. 40—124.
Larrison, Millard S., to Weston Chemical Corp. Chlorine-rich phosphorus containing polyurethanes. 3,364,153. 1–16–68. Cl. 260—2.5.

Larrison, Millard S., to Small Business Administration, and First National Bank of Morgantown. Polyphosphites. 3,373,304, 3–26–68, Cl. 260—929.
Larrison, Millard S., to Weston Chemical Corp. Polyphosphite stabilizers for polymeric materials. 3,376,364, 4–2–68, Cl. 260—899.
Larrison, Millard S., to First National Bank of Morgantown. Tetrachloro bisphenol and phosphite resins. 3,378,524, 4–16–68, Cl. 260—47.
Larrison, Millard S., to Weston Chemical Corp. Tetra phosphite of pentaerythritol-lower alkylene oxide adducts. 3,382,299, 5–7–68, Cl. 260—929.
Larrison, Millard S., to Weston Chemical Corp. Neo carboxylate diphosphites. 3,383,436, 5–14–68, Cl. 260—928.
Larrison, Millard S., to Weston Chemical Corp. Polyphosphites as stabilizers for hydrocarbon polymers. 3,419,524, 12–31–68, Cl. 260—45.95.
Larrivee, Harlan J. Bushing assembly for engaging relatively rigid cylindrical bodies. 3,397,901, 8–20–68, Cl. 285—161.
Larsen, Agnew E. Flame repellant apparatus. 3,401,750, 9–17–68, Cl. 169—2.
Larsen, Agnew E., and R. F. Le Vino, to United States of America, Army. Air to ground descent means. 3,362,665, 1–9–68, Cl. 244—138.
Larsen, Agnew E., and R. F. Le Vino, to United States of America, Army. Air to ground descent means. 3,372,893, 3–12–68, Cl. 244—138.
Larsen, Aubrey A., to Sterling Drug, Inc. 3,3′-diamino-5,5′-dicarboxy-hexaiodocarbanilides and derivatives. 3,409,662, 11–5–68, Cl. 260—471.
Larsen, Bendt W.: *See*—
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Enemark, Arne F., Valbjorn, and Larsen. 3,400,885.
Larsen, Charles A., to Gorton Machine Corp. Metalworking machine. 3,373,658, 3–19–68, Cl. 90—14.
Larsen, Charles A., to Gorton Machine Corp. Metal working machine. 3,381,545, 5–7–68, Cl. 74—722.
Larsen, Delano E. Machine for inserting tie wires into adobe blocks. 3,408,720, 11–5–68, Cl. 29—33.
Larsen, Donald R., to The Estate of V. E. Pratt. Multicolor lighting apparatus. 3,388,245, 6–11–68, Cl. 240—3.1.
Larsen, Dorwin R., to Caterpillar Tractor Co. Compact self-contained suspension mechanism for vehicle wheels. 3,409,309, 11–5–68, Cl. 280—124.
Larsen, Earl I., R. H. Krock, and C. R. Jones, to P. R. Mallory & Co. Inc. Beryllium-aluminum-copper composites. 3,373,002, 3–12–68, Cl. 29—182.11.
Larsen, Earl I., R. H. Krock, and C. R. Jones, to P. R. Mallory & Co., Inc. Composites of beryllium-aluminum-copper. 3,373,004, 3–12–68, Cl. 29—182.2.
Larsen, Earl I., R. H. Krock, and C. R. Jones, to P. R. Mallory & Co., Inc. Composites of beryllium-copper-zinc. 3,378,355, 4–16–68, Cl. 29—182.1.
Larsen, Earl I., R. H. Krock, and C. R. Jones, to P. R. Mallory & Co., Inc. Composites of beryllium-copper-magnesium. 3,378,356, 4–16–68, Cl. 29—182.1.
Larsen, Earl I., R. H. Krock, and C. R. Jones, to P. R. Mallory & Co., Inc. Composites of beryllium-aluminum-zinc. 3,379,513, 4–23–68, Cl. 29—182.1.
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Larsen, Earl I., R. H. Krock, and C. R. Jones, to P. R. Mallory & Co., Inc. Composites of beryllium-copper-tin. 3,380,813, 4–30–68, Cl. 29—182.1.
Larsen, Earl I., R. H. Krock, and C. R. Jones, to P. R. Mallory & Co., Inc. Composites of beryllium-copper-manganese. 3,387,951, 6–11–68, Cl. 29—182.1.
Larsen, Frank R., and R. K. Trelle, to United States of America, Navy. Separable connector. 3,368,775, 2–13–68, Cl. 244—1.
Larsen, Hans R., and R. S. Zalkowitz, to Union Carbide (Canada) Ltd. Stress-crack resistant polyethylene containing a polyvinyl acetal. 3,382,298, 5–7–68, Cl. 260—897.
Larsen, John E., to General Electric Co. Apparatus for developing electrical coils in inductive devices. 3,407,469, 10–29–68, Cl. 29—205.
Larsen, John E., to General Electric Co. Methods for altering the configuration of electrically conductive turns of inductive devices and devices having altered turns. 3,407,488, 10–29–68, Cl. 29—596.
Larsen, John E., to General Electric Co. Process of developing electrical coils in inductive devices. 3,407,493, 10–29–68, Cl. 29—605.
Larsen, John E., to General Electric Co. Apparatus for introducing electrical conductors into conductor accommodating structure. 3,412,453, 11–26–68, Cl. 29—205.
Larsen, Karl M., to Danfoss A/S. Thermostat and independent switch operated from thermostat and independently set. 3,382,337, 5–7–68, Cl. 200—139.
Larsen, La Verne M., and T. C. Olson, to Hot Shot Products Co. Night stick with electric shock means. 3,362,711, 1–9–68, Cl. 273—84.
Larsen, Nancy J.: *See*—
Lowe, John C., and Larsen. 3,362,360.
Larsen, Olaf E., to Phillips Petroleum Co. Polyethylene extrusion. 3,387,073, 6–4–68, Cl. 264—211.
Larsen, Olaf E., to Phillips Petroleum Co. Extrusion die. 3,393,427, 7–23–68, Cl. 18—14.
Larsen, Robert A.: *See*—
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Larsen, Roy, to Thiokol Chemical Corp. Production of high molecular weight polymers of vicinal episulfides. 3,402,154, 9–17–68, Cl. 260—79.
Larsen, Ted L., R. J. Archer, and E. E. Loebner, to Hewlett-Packard Co. Indirect energy band gap topology injection electroluminescence source. 3,398,310, 8–20–68, Cl. 313—108.
Larson, Arthur G.: *See*—
Kloster, Gordon A., and Larson. 3,362,187.
Larson, Arthur G., and D. D. Day, to McQuay, Inc. Anti-reverse motor. 3,403,570, 10–1–68, Cl. 74—411.5.
Larson, Bertil I. T. Mechanic gear intended for lowering railroad guard bars. 3,418,870, 12–31–68, Cl. 74—625.
Larson, Charles L., to Jeddeloh Bros., Sweed Mills, Inc. Load-supporting apparatus. 3,404,791, 10–8–68, Cl. 214—38.
Larson, Charles L., to Jeddeloh Bros. Sweed Mills, Inc. Adjustable cam control system for a sheet-handling apparatus. 3,415,391, 12–10–68, Cl. 214—16.4.
Larson, Chas. O., Co.: *See*—
Larson, Charles O. 3,370,675.
Larson, Charles O. 3,395,792.
Larson, Charles O. 3,403,592.
Larson, Charles O., to Charles O. Larson Co. Support bracket. 3,370,675, 2–27–68, Cl. 182—224.
Larson, Charles O., to Chas. O. Larson Co. Display. 3,395,792, 8–6–68, Cl. 206—80.
Larson, Charles O., to Charles O. Larson Co. Staple structure. 3,403,592, 10–1–68, Cl. 85—49.
Larson, Clarence A. Mobile crop sprayer. 3,412,938, 11–26–68, Cl. 239—172.
Larson, Donald A., to Foley Mfg. Co. Stacked measuring utensils having releasable snap fastening means in the handles. 3,400,591, 9–10–68, Cl. 73—426.
Larson, Donald H.: *See*—
Kuhl, Bernhard R., and Larson. 3,413,953.
Larson, Elton H. Wall joint. 3,398,494, 8–27–68, Cl. 52—371.
Larson, Glen M.: *See*—
Salsbury, Hugh I., Fegel, and Larson. 3,360,984.
Larson, Harry O., to United States Steel Corp. Collapsible roof. 3,399,924, 9–3–68, Cl. 296—111.
Larson Industries, Inc.: *See*—
Woods, Michael K. 3,367,654.
Larson, John C.: *See*—
Boskovich, Boris, and Larson. 3,403,874.
Lusskin, Robert M., Backer, and Larson. 3,396,147.
Lusskin, Robert M., Backer, and Larson. 3,405,097.
Larson, John D., to Varian Associates. Gyromagnetic spectrometer having a tapered dielectric transistion between a a coaxial line and a helix structure. 3,372,331, 3–5–68, Cl. 324—.5.
Larson, John R.: *See*—
Lusskin, Robert M., Backer, and Larson. 3,384,626.
Larson, John W., to United Aircraft Corp. Two-phase fluid power generator with no moving parts. 3,401,277, 9–10–68, Cl. 310—11.
Larson, Kenneth R., to United States Gypsum Co. Gypsum composition having dehydration resistant characteristics. 3,393,116, 7–16–68, Cl. 161—43.
Larson, Lawrence L.: *See*—
Ruger, William B., and Larson. 3,382,597.
Larson, Lester L., to Tektronix, Inc. Differential amplifier having common base output stage of very high output impedance. 3,394,316, 7–23–68, Cl. 330—30.
Larson, Lewis G.: *See*—
Wilson, Reagan T., and Larson. 3,365,512.
Larson, Lewis G., to Phillips Petroleum Co. Gas chromatography sensing means. 3,408,854, 11–5–68, Cl. 73—23.1.
Larson, Loren V. Combination stabilizing and shock absorbing device for camper vehicles. 3,402,961, 9–24–68, Cl. 296—23.
Larson, Marvin A., and R. L. Tanner, to Control Data Corp. Top loaded monopole antenna with guy wire line tightener. 3,380,061, 4–23–68, Cl. 343—874.
Larson, Melvin E., and C. W. Shaver, to Rose Patch & Label Co. Cloth label singulating method and apparatus. 3,380,731, 4–30–68, Cl. 271—20.
Larson, Melvin H., to Aerojet-General Corp. System for remote control of missiles. 3,416,751, 12–17–68, Cl. 244—3.13.
Larson, Melvin L., and F. W. Moore, to American Metall Climax, Inc. Organic molybdenum compounds containing sulfur and method of preparation. 3,419,589, 12–31–68, Cl. 260—429.
Larson, Paul A., and René J. Al, to The Dow Chemical Co. Polyepoxide and polyether prepared from reacting a polyepoxide and a glycol. 3,379,791, 4–23–68, Cl. 260—830.
Larson, Ralph A., R. L. Millar, and C. E. Maier, to Continental Can Co., Inc. Method and apparatus for forming a spiral wound tube having an extruded plastic liner. 3,376,180, 4–2–68, Cl. 156—195.
Larson, Ralph A., R. L. Millar, and C. E. Maier, to Continental Can Co., Inc. Method and apparatus for blowing plastic liner in continuously formed tubes having longitudinal seam. 3,376,181, 4–2–68, Cl. 156—203.
Larson, Richard C Automatic temperature responsive control. 3,385,520, 5–28–68, Cl. 236—1.
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Larsson, Gunnar, to Aga-Platforadling Aktiebolag. Method and arrangement for mounting elastically flexible sealing rings in internal grooves. 3,406,441, 10–22–68, Cl. 29—451.
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Larva, Wilbert J., Sr. and J. R., and W. F. Nurmi. Pulpwood cut-off apparatus. 3,414,027, 12–3–68, Cl. 143—46.
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Lednicer, Daniel, to The Upjohn Co. Substituted 2-phenyl-1-(tertiaryaminoalkoxy) phenyl - 3,4 - dihydronaphthalenes. 3,396,169, 8–6–68, Cl. 260—294.7.
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Leduc, Lucien R. Shank holders with spring release for cultivating implements. 3,402,775, 9–24–68, Cl. 172—765.
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Lee, Alton O. Magnetically supported electric crankcase heating device. 3,394,243, 7–23–68, Cl. 219—205.
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Lee, Arthur L., and A. B. Coval, to Consolidation Coal Co. Flexible shuttle car. 3,403,797, 10–1–68, Cl. 214—83.36.
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Lemelson, Jerome H. Packaging machinery and method. 3,385,025, 5–28–68, Cl. 53—30.
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Lemelson, Jerome H., to The Trlax Co. Load responsive control means for a material handling apparatus. 3,389,814, 6–25–68, Cl. 214—16.4.
Lemelson, Jerome H. Molding device. 3,393,890, 7–23–68, Cl. 249—92.
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Le Poole, Jan B., to North American Philips Co., Inc. Electron microscope having a four-pole electron optical lens assembly and a scanning line-like electron beam. 3,389,252, 6-18-68, Cl. 250—49.5.
Leporati, Raymond A., to Visual Systems, Inc. Counterpoising or equipoising mechanism. 3,409,261, 11-5-68, Cl. 248—281.
Le Portescap S.A.: *See*—
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Lepp, Jacob H., and R. Ayranto, to International Harvester Co. Material unloader. 3,406,914, 10-22-68, Cl. 239—658.
Lepp, Jacob H., and R. Ayranto, to International Harvester Co. Material unloader. 3,419,222, 12-31-68, Cl. 239—681.
Leppert, Dale C., to North Electric Co. Inverter circuit having increased frequency starting. 3,401,327, 9-10-68, Cl. 321—11.
Lepselter, Irving. Bat and tethered ball combination. 3,376,037, 4-2-68, Cl. 273—26.
Lepselter, Martin P., to Bell Telephone Laboratories, Inc. Semiconductor integrated circuitry with improved isolation between active and passive elements. 3,411,048, 11-12-68, Cl. 317—234.
Leptrone, Samuel. Food dispensing rack. 3,417,873, 12-24-68, Cl. 211—77.
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Lerch, David W., to Marine Construction & Design Co. Submersible pump device for net brailing. 3,398,694, 8-27-68, Cl. 103—87.
Lerch, John W., to United States Steel Corp. Strip guide for a pinhole detector. 3,368,079, 2-6-68, Cl. 250—219.
Lerch, Loren W. Trolley choke. 3,404,637, 10-8-68, Cl. 104—96.
Lerner, Bernard J. Tower packing elements. 3,365,180, 1-23-68, Cl. 261—94.
Lerner, Bernard J. Method for gas-liquid disentrainment operations. 3,410,057, 11-12-68, Cl. 55—97.
Lerner, Daniel, and B. Pispisa, to Colgate-Palmolive Co. Preparation of menthols from 3-p-menthene via boron complex. 3,366,696, 1-30-68, Cl. 260—631.
Lerner, Irving: *See*—
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Lerner, Irwin S. Hematological centrifuge. 3,361,343, 1-2-68, Cl. 233—26.
Lerner, Lawrence S., to Hughes Aircraft Co. Intruder detection system. 3,406,385, 10-15-68, Cl. 340—258.
Lerner, Marc. Overflow and recirculating systems for swimming pools. 3,391,790, 7-9-68, Cl. 210—169.
Lerner, Theodore: *See*—
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Lerner, Theodore, to Bell Aerospace Corp. Automatic frequency control for radar receivers. 3,372,391, 3-5-68, Cl. 343—17.1.
Lerner, Theodore, to Bell Aerospace Corp. Variable velocity scanning for TV systems. 3,402,258, 9-17-68, Cl. 178—6.8.
Lerner, Theodore, to Bell Aerospace Corp. System for transmitting the difference between an information signal and a variable reference voltage. 3,402,352, 9-17-68, Cl. 325—38.
Leroi, Michel, and A. Jeannin, to Societe Pour l'Etude et la Realisation des Procedes Electroniques de Calcul "Analac." Servomotor arrangement for moving a mechanical part according to a program. 3,394,294, 7-23-68, Cl. 318—18.
Le Roux, Paul L., and M. A. Juten; said Juten assor. to said Le Roux. Securing means. 3,411,160, 11-19-68, Cl. 2—232.
Leroux, Pierre: *See*—
Cotsaftis, Michel, Leon, and Leroux. 3,392,356.
Leroux, Rene P. Multicellular containers or enclosures. 3,414,153, 12-3-68, Cl. 220—1.
Leroy, Alphonse, L. Gijsemans, F. Peerts, G. Hulot, J. Martin, and J. R. Andrieu, 50% to Produits Chimiques du Limbourg and 50% to Societe d'Etudes Chimiques Pour l'Industrie et l'Agriculture. Two-stage process for the preparation of potassium metaphosphate. 3,414,375, 12-3-68, Cl. 23—106.
Le Roy, Gene. Sight glass for reaction vessels. 3,380,303, 4-30-68, Cl. 73—334.
Le Roy, Gene, to Union Carbide Corp. Method for the permanent compression of a sheet of flexible polyurethane foam. 3,400,196, 9-3-68, Cl. 264—321.
Le Roy, Gene. Wiper assembly for sight glass. 3,402,418, 9-24-68, Cl. 15—250.01.
Leroy, Marcel, to Commissariat a l'Energie Atomique Device for the representation in different colors of different radiation intensities emitted by an object. 3,379,881, 4-23-68, Cl. 250—71.5.
LeRoy, Pierre L., to New Research and Development Laboratories, Inc. Wound clip. 3,385,299, 5-28-68, Cl. 128—337.
Leroy, Rene: *See*—
Di Piazza, Learco, Leroy, and Monzani. 3,385,148.
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Le Sante, Jorge R. Hair piece. 3,377,628, 4-16-68, Cl. 2—207.
Les Applications Techniques Industrialles: *See*—
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Les Bernard, Inc.: *See*—
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Le Seelleur, Louis A., and G. E. Wilson, to John Labatt, Ltd. Fermenter yeast cropping and washing device. 3,407,121, 10-22-68, Cl. 195—134.
Lese, Henri K., J. H. McCracken, and J. G. D. Schulz, to Gulf Research & Development Co. Separation of benzophenone 2,4'- and 4,4'-dicarboxylic acids. 3,370,088, 2-20-68, Cl. 260—517.
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Lesher, George Y., to Sterling Drug Inc. Preparation of 7-[mono-or di-(acyloxy)methyl]-4-hydroxy-1,8-naphthyridines and derivatives thereof. 3,404,153, 10-1-68, Cl. 260—295.5.
Lesher, George Y., to Sterling Drug Inc. 1',3'-dioxo-1',2',3',4'-tetrahydrospiro [cyclopentane-1,4'-isoquinoline] and its preparation. 3,406,175, 10-15-68, Cl. 260—281.
Leshin, Richard, to The Goodyear Tire & Rubber Co. In-situ resin adhesion of reinforcing element-to-rubber. 3,411,980, 11-19-68, Cl. 161—183.

Lesinski, Chester A., and J. W. Van Wyk, to The Dow Chemical Co. Polymeric amide-secondary dialkyl ammonium salt-paraformaldehyde flocculant composition and method. 3,367,918, 2-6-68, Cl. 260—72.

Leskinen, Paul E. Press matrix. 3,400,655, 9-10-68, Cl. 100—295.

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Hight, Hanford Z., Kassak, and Lesky. 3,380,762.

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Guiroy, Pierre J. 3,415,931.

Lesley, Hubert G. Adjustable tie down device. 3,366,997, 2-6-68, Cl. 24—68.

Leslie, Charles B. Direct coupled transistorized class "B" power amplifier. 3,379,986, 4-23-68, Cl. 330—15.

Leslie, Donald J. Model train control system. 3,361,082, 1-2-68, Cl. 104—151.

Leslie, Donald J., to Columbia Records Distribution Corp. Electronic musical instrument incorporating rotary electrostatic devices for producing celeste or chorus effects. 3,372,225, 3-5-68, Cl. 84—1.24.

Leslie, James D., to General Motors Corp. Closure latch. 3,367,699, 2-6-68, Cl. 292—216.

Leslie, James P. M., to Imperial Chemical Industries Ltd. Composition comprising lead azide or lead styphnate and molybdenum disulphide. 3,361,602, 1-2-68, Cl. 149—24.

Leslie, John C., and B. E. Dieruf, to Leslie R. Lloyd. Teaching machine systems. 3,395,464, 8-6-68, Cl. 35—9.

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Lespeau, Bernard A. Machine for packaging solid articles. 3,363,397, 1-16-68, Cl. 53—188.

Less, Joseph W. Articles of neckwear. 3,360,800, 1-2-68, Cl. 2—145.

Less, Joseph W. Pretied tailless necktie. 3,369,257, 2-20-68, Cl. 2—150.

Lessard, Alcide. Automobile rain visor. 3,373,792, 3-19-68, Cl. 160—368.

Lessard, Jean H., to Canadian International Paper Co. Free film sleeved valve in multiwall bag. 3,400,880, 9-10-68, Cl. 229—62.5.

Lessard, Roland B., to United Shoe Machinery Corp. Apparatus for melting and dispensing thermoplastic material. 3,386,625, 6-4-68, Cl. 222—146.

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Lesser, Marshall W., and J. F. McCormick, to General Dynamics Corp. AM/FM hydroacoustic generator. 3,372,371, 3-5-68, Cl. 340—8.

Lessler, Lew W., to De Jur-Amsco Corp. Cabineted motion picture projector. 3,391,979, 7-9-68, Cl. 352—242.

Lessner, William J., to ETC Inc. Detachable electrical connectors. 3,409,867, 11-5-68, Cl. 339—258.

Lessoff, Howard, to Radio Corp. of America. Vanadium-containing lithium ferrites. 3,372,122, 3-5-68, Cl. 252—62.61.

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Lesster, Laban E., to Westinghouse Electric Corp. Excessive current protection device for high-frequency, square-wave power supply for discharge devices. 3,389,304, 6-18-68, Cl. 317—23.

Lester, Borislav, 49% to G. Stimson. Cigarette dispenser and igniter. 3,361,894, 1-2-68, Cl. 219—261.

Lester, George R.: *See*—
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Lester, George R., to Universal Oil Products Co. Dehydrogenation process. 3,361,839, 1-2-68, Cl. 260—669.

Lester, George R., to Universal Oil Products Co. Hydrogenation of para and meta xylene mixtures. 3,384,676, 5-21-68, Cl. 260—667.

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Lester, James E., and C. H. Franklin, to Life Science Engineering Inc. Automatic hematological staining apparatus. 3,391,670, 7-9-68, Cl. 118—5.

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Bastle, Clifford F., and Lester. 3,400,736.

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Lester, John M., to Sperry Rand Corp. Magneto-mechanical counting device. 3,382,349, 5-7-68, Cl. 235—92.

Lester, Luther D. Strapless support means for a guitar. 3,371,570, 3-5-68, Cl. 84—327.

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Davis, Carey L. 3,361,076.
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Lester, Robert A., and A. Nelkin, to Westinghouse Electric Corp. Traffic supervisory apparatus. 3,367,450, 2-6-68, Cl. 187—52.

Lester, William D., to International Harvester Co. Antiwrap device. 3,402,538, 9-24-68, Cl. 56—44.

Leston, Gerd, to Koppers Co., Inc. Tertiary-butyl-5-methyl catechol as polymerization inhibitor for hot styrene. 3,390,198, 6-25-68, Cl. 260—666.5.

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Le Suer, William M.: *See*—
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Le Suer, William M., to The Lubrizol Corp. Amide and imide derivatives of metal salts of substituted succinic acids. Re. 26,433. 8-6-68, Cl. 252—33.6.

Le Suer, William M., to The Lubrizol Corp. Process for preparing hydroxy-substituted esters of phosphorodithioic acids. 3,361,856, 1-2-68, Cl. 260—978.

Le Suer, William M., to The Lubrizol Corp. Preparation of lubricant additives with reduced odor. 3,369,021, 2-13-68, Cl. 260—268.

Le Suer, William M., to The Lubrizol Corp. Composition. 3,374,174, 3-19-68, Cl. 252—51.5.

Le Suer, William M., to The Lubrizol Corp. Polymerized olefin substituted succinic acid esters. 3,381,022, 4-30-68, Cl. 260—404.8.

Le Suer, William M., to The Lubrizol Corp. Lubricant containing phosphorus acid esters. 3,403,102, 9-24-68, Cl. 252—49.8.

Le Suer, William M., to The Lubrizol Corp. Fuel compositions. 3,410,670, 11-12-68, Cl. 44—57.

Le Suer, William M., to The Lubrizol Corp. Fuel containing a basic metal composition derived from a nitrated hydrocarbon. 3,410,671, 11-12-68, Cl. 44—51.

Le Suer, William M., and C. O. Miller, to The Lubrizol Corp. Reaction products of an organic epoxide and an acylated polyamine. 3,373,111, 3-12-68, Cl. 252—51.5.

Le Suer, William M., and G. R. Norman, to The Lubrizol Corp. Lubricants containing metal-free dispersants and inhibitors. 3,390,082, 6-25-68, Cl. 252—32.7.

Le Suer, William M., and C. W. Stuebe, to The Lubrizol Corp. Polyhalogenated polymeric (arylethylene) derivatives. 3,413,241, 11-26-68, Cl. 260—2.

Le Sueur, Robert C., and V. A. Martens, to Scovill Mfg. Co. Combination clothes-pressing iron and rest mount therefor with automatic homing means. 3,413,742, 12-3-68, Cl. 38—96.

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Letellier, Bernard, to CSF-Compagnie Generale de Telegraphie Sans Fil. Direction-finding electromagnetic wave receivers using multiple beam antennas. 3,378,849, 4-16-68, Cl. 343—113.

Letendre, Calvin O., to Chromium Corp. of America. Method of treating surfaces. 3,406,105, 10-15-68, Cl. 204—16.

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Leto, Alfonso, to General Precision Systems, Inc. Adjustable stop mechanism. 3,411,366, 11-19-68, Cl. 74—10.2.

Le Tourneau, Robert G. Perambulatory vehicle. 3,366,192, 1-30-68, Cl. 180—8.

Le Tourneau, Robert G. Boom type cranes. 3,369,670, 2-20-68, Cl. 212—55.

Le Tourneau, Robert G. Gear reduction drive units embodied in vehicle wheels. 3,389,502, 6-11-68, Cl. 74—391.

Le Tourneau, Robert G. Excavator machines. 3,391,810, 7-9-68, Cl. 214—132.

Le Tourneau, Robert G. Control system for electrically powered vehicles. 3,417,304, 12-17-68, Cl. 318—149.

Letsinger, Robert M., to United States of America, Navy. Transistor circuit arrangement. 3,373,370, 3-12-68, Cl. 330—24.

Letson, Gordon M., and R. A. Baldrey. Impact absorbing apparatus. 3,367,479, 2-6-68, Cl. 198—127.

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Letter, Carl T. Synchronous machine. 3,419,905, 12-31-68, Cl. 318—165.

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Letter, Eugene C., to Bausch & Lomb Inc. High speed optical shutter. 3,376,089, 4-2-68, Cl. 350—160.

Letter, Eugene C., to Bausch & Lomb Inc. Measuring laser output energy comprising a lead fluosilicate glass dosimeter element. 3,376,418, 4-2-68, Cl. 250—83.

Letter, Eugene C., to Bausch & Lomb Inc. Thin film optical shutter. 3,380,792, 4–30–68, Cl. 350—160.
Letter, Eugene C., to Bausch & Lomb, Inc. High speed optical shutter. 3,415,591, 12–10–68, Cl. 350—160.
Lettieri, John, to International Business Machines Corp. High speed astable/monostable device. 3,400,280, 9–3–68, Cl. 307—286.
Lettnuich, Peter B. Guy cable with means for adjusting tension. 3,402,518, 9–24–68, Cl. 52—149.
Letvin, Samuel, to Fabricating Engineering Co., Inc. Process for scrubbing a gas stream containing particulate material. 3,385,030. 5–28–68, Cl. 55—90.
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Froitzheim, Hans, and Letzel. 3,378,278.
Leu, Herbert, and T. Aaltonen, to Firma Bauwerk AG. Machine for cutting boards into finite sections for producing parquet strips and the like. 3,394,743, 7–30–68, Cl. 143—33.
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Leuschke, Siegfried, to Veb Pentacon Dresden Kamera- und Kinowerke. Shutter brake. 3,391,627, 7–9–68, Cl. 95—57.
Leutwyler, Kurt, and W. W. Henslee, Jr., to Baker Oil Tools, Inc. Single trip apparatus and method for sequentially setting well packers and effecting operation of perforators in well bores. 3,398,803, 8–27–68, Cl. 175—4.52.
Leva, Max. Gas-liquid contact apparatus. 3,367,638, 2–6–68, Cl. 261—113.
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Levadney, Paul: *See*—
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Levake, Richard N., to Levake Industries. Control assembly for a liquid dispenser. 3,387,692, 6–11–68, Cl. 194—6.
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Le Vasseur, Edward, to Boice Gages, Inc. Indicator feeler biasing and reversible means. 3,368,283, 2–13–68, Cl. 33—169.
Le Vasseur, Robert F., to The Ferrule Mfg. Corp. Ferrule assembly. 3,363,280, 1–16–68, Cl. 16—42.
Le Vasseur, Robert F., to The Ferrule Mfg. Corp. Furniture glide. 3,366,991, 2–6–68, Cl. 16—42.
Levaux, Jean, to Ste. Ame. Cockerill-Ougree. Process for refining or melting metals in a furnace. 3,408,177, 10–29–68, Cl. 75—43.
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Levaux, Robert. Method of treating textile materials of animal origin, notably wool. 3,369,981, 2–20–68, Cl. 204—165.
Levavi, David. Cigarette smoke filter device. 3,389,705, 6–25–68, Cl. 131—10.5.
Le Vee, Clarence H., to A. B. Chance Co. Self-ventilating underground transformer vault. 3,404,617, 10–8–68, Cl. 98—32.
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Levenberg, Nat. Tilt proof cabinet construction. 3,361,509, 1–2–68, Cl. 312—273.
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Levene, Leon, to Owens-Illinois, Inc. Titanium oxide compounds. 3,418,347, 12–24–68, Cl. 260—429.5.
Levenhagen, Alvin W., to Molded Fiber Glass Body Co. Nesting and stacking tray. 3,409,169, 11–5–68, Cl. 220—97.
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Cahn, Arno, and Lemaire. 3,394,155.
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Van Kampen, Daniel M., Kerkhoven, and Van Der Star. 3,370,015.
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Leverett, Glenn F., to E. I. du Pont de Nemours and Co. Preparation of polyoxymethylene ethers. 3,393,179, 7–16–68, Cl. 260—67.
Leverin, Paul D., to American Steel and Pump Corp. Stud driver and release tools. 3,368,430, 2–13–68, Cl. 81—53.
Levesque, George N., to Brown & Sharpe Mfg. Co. Hydrostatic bearing load signaling device. 3,365,711, 1–23–68, Cl. 340—269.
Levesque, George N., to Brown & Sharpe Mfg. Co. Compressed air economizer for fluidic controls. 3,400,881, 9–10–68. Cl. 230—1.
Levesque, Raymond A., and R. C. Newton, to American Cyanamid Co. Piece-dyeable carpet and yarns therefor. 3,415,051, 12–10–68, Cl. 57—140.
Levey, Gerard H.: *See*—
Kelly, William, and Levey. 3,410,523.
Levey, Gustave S., to The Spee-Flo Mfg. Corp. Self-contained pump system for airless spraying and the like. 3,366,066, 1–30–68, Cl. 103—50.
Levey, Gustave S., to The Spee-Flo Mfg. Closed system recirculating assembly. 3,388,866, 6–18–68, Cl. 239—127.
Levey, Jay R., and J. M. Karl, to Oxwall Tool Co., Ltd. Display package and article container. 3,370,697, 2–27–68, Cl. 206—45.34.
Levey, Ralph P., Jr., and A. E. Smith, to United States of America, Atomic Energy Commission. High-temperature isostatic pressing of articles. 3,363,037, 1–9–68, Cl. 264—125.
Levi, Cass B., to The McNally Pittsburg, Mfg., Corp. Apparatus for separating materials. 3,419,143, 12–31–68, Cl. 209—481.
Levi, Hans L.: *See*—
Paige, Richard E., and Levi. 3,363,823.
Levi, Hans L. Five panel folder with cushion ends. 3,368,735, 2–13–68, Cl. 229—40.
Levi, Hans L. Book mailer construction. 3,370,777, 2–27–68, Cl. 229—40.
Levi, Hans L. Plastic foam housing with lock-on cover sleeve. 3,416,648, 12–17–68, Cl. 206—46.
Levi, Richard J., and J. R. Montgomery, to Electro-Autosizing Machine Corp. Gauging system including automatic balancing and stoppage means. 3,419,800, 12–31–68, Cl. 324—61.
Levie, Max H. P. A., to F. H. Lloyd & Co. Ltd. Couplers. 3,414,135, 12–3–68, Cl. 213—45.
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Richter, Sidney B., and Levin. 3,397,977.
Richter, Sidney B., and Levin. 3,397,978.
Levin, Alfred A., and S. B. Richter, to Velsicol Chemical Corp. Method destroying undesirable plants. 3,386,813, 6–4–68, Cl. 71—112.
Levin, Harry M., to HCA Food Corp. Edible composition and method of making the same. 3,414,413, 12–3–68, Cl. 99—144.
Levin, Herman, to Bell & Howell Co. Motion sensing exposure system for optical instruments. 3,399,307, 8–27–68, Cl. 250—224.
Levin, Martin E., and J. J. Dill, to Varian Associates. High power beam tube having improved beam collector and method of fabricating same. 3,414,757, 12–3–68, Cl. 315—5.38.
Levin, Nathan. Yarn furnishing means for knitting machines. 3,361,317, 1–2–68, Cl. 226—188.

Levin, Nathan D., to Admiral Corp. Three-electron gun assembly with electrically connecting and supporting plate for the control grids. 3,368,097, 2–6–68, Cl. 313—82.

Levin, Nathan D., to Admiral Corp. Color tube with mask interior peripheral shield of treated steel foil for improved heat radiation. 3,404,303, 10–1–68, Cl. 313—89.

Levin, Nathan D., and A. H. Andrews, to Admiral Corp. Clip for mounting peripheral electron shield on shadow mask of color television tube, provided with contact spring to tube inner coating. 3,377,493, 4–9–68, Cl. 313—92.

Levin, Robert E., to Sylvania Electric Products Inc. Electric projection lamp. 3.381,575, 5–7–68, Cl. 88—24.

Levin, Robert E., to Sylvania Electric Products, Inc. Circuit for operating multifilament incandescent lamps at different intensities. 3.416,028, 12–10–68, Cl. 315—50.

Levin, Robert E., to Sylvania Electric Products Inc. Optical system for photocopying. 3,416,862, 12–17–68, Cl. 355—70.

Levine, Alfred B.: *See*—
Richeson, Sanford E. 3,379,117.

Levine, Charles A., to The Dow Chemical Co. Electroless plating on non-conducting surfaces. 3,367,792, 2–6–68, Cl. 117—47.

Levine, Duane G.: *See*—
Matsen, John M., and Levine. 3,418,169.

Levine, Duane G., M. Beltzer, and B. L. Tarmy, to Esso Research and Engineering Co. Methods for electrodeposition on thin conductive films. 3,368,950, 2–13–68, Cl. 204—27.

Levine, Duane G., and J. A. Wilson, to Esso Research and Engineering Co. Fuel cell and method of operation. 3,395,046, 7–30–68, Cl. 136—86.

Levine, Gerald: *See*—
Kopacki, Adam F., and Levine. 3,365,406.

Levine, Harold H., to Whittaker Corp. Fusible polybenzimidazoles. 3,386,969, 6–4–68, Cl. 260—78.4.

Levine, Harold H., to Whittaker Corp. Fusible and infusible polymers from carbocyclic aromatic polycarboxylic phenyl esters and carbocyclic aromatic tetramines. 3,387,058, 6–4–68, Cl. 260—823.

Levine, Irving, to Castle Tool Specialty Co., Inc. Rodent exterminators. 3,388,497, 6–18–68, Cl. 43—98.

Levine, Irving E., to Chevron Research Co. Vanadium oxide catalyzed oxidations. 3,395,159, 7–30–68, Cl. 260—346.4.

Levine, Isaac J., and A. K. Ingberman, to Union Carbide Corp. Amine modified polyolefin wax adducts, process for preparing the same and emulsions thereof. 3,409,448, 11–5–68, Cl. 106—10.

Levine, Joseph S.: *See*—
Ralfsnider, Philip J., and Levine. 3,404,734.

Levine, Leon: *See*—
Palevsky, Max, Levine, and Dames. 3,406,379.

Levine, Leonard, to The Dow Chemical Co. Phenylhydrazinopropanethiols. 3,397,235, 8–13–68, Cl. 260—569.

Levine, Leonard, to The Dow Chemical Co. Sulfur-containing carbamates. 3,410,893, 11–12–68, Cl. 260—481.

Levine, Morton, M. J. Neme, and S. G. Plovan, to General Motors Corp. Latent amidopolyamine curing agents for epoxy resins and polyurethanes. 3,375,299, 3–26–68, Cl. 260—830.

Levine, Philip: *See*—
Anderson, Herbert R., Jr., and Levine. 3,413,146.

Levine, Ralph, to Columbian Carbon Co. Selective hydrogenation of cyclododecatriene. 3,400,165, 9–3–68, Cl. 260—666.

Levine, Robert S.: *See*—
Shook, Gerald D., and Levine. 3,376,185.

Levine, Samuel W., to Fairchild Camera and Instrument Corp. Variable-ratio copy-reproducing machine. 3,382,318, 5–7–68, Cl. 178—6.6.

Le Vine, Saul: *See*—
Karr, Willis F., and Le Vine. 3,395,648.

Levine, Seymour. Electro-mechanical combination lock. 3,376,721, 4–9–68, Cl. 70—277.

Levine, Seymour D.: *See*—
Bodanszky, Miklos, Ondetti, Von Saltza, Naryanan, and Levine. 3,400,118.
Principe, Pacifico A., and Levine. 3,375,269.

Levine, Seymour D., to E. R. Squibb & Sons, Inc. 3-halo-Δ3-A-norandrostene-2,17-diones. 3,361,824, 1–2–68, Cl. 260—586.

Levine, Seymour D., to E. R. Squibb & Sons, Inc. $\Delta^{3,6}$-A-norandrostadienes and intermediates. 3,367,965, 2–6–68, Cl. 260—488.

Levine, Seymour D., to E. R. Squibb, Sons, Inc. A-nor-D-homosteroids. 3,385,883, 5–28–68, Cl. 260—488.

Levine, Seymour D., to E. R. Squibb & Sons, Inc. A-nor-D-homosteroids. 3,387,023, 6–4–68, Cl. 260—488.

Levine, Seymour D., and A. I. Cohen, to E. R. Squibb & Sons, Inc. 2-oxa-androstanes and their preparation. 3,365,466, 1–23–68, Cl. 260—343.2.

Levine, Seymour D., and P. A. Principe, to E. R. Squibb & Sons, Inc. 15-oxygenated-Δ^3-A-norandrostene-2,17-diones. 3,367,963, 2–6–68, Cl. 260—488.

Levine, Seymour D., and P. A. Principe, to E. R. Squibb & Sons, Inc. 12-oxygenated-A-norandrost-3-enes. 3,367,964, 2–6–68, Cl. 260—488.

Levine, Seymour D., and P. A. Diassi, to E. R. Squibb & Sons, Inc. Ketals of Δ^3-A-norandrostene-17β-ol-2-one and Δ^3-A-norpregnene-2,20-dione and their 3,5-dihydroxy derivatives. 3,377,360, 4–9–68, Cl. 260—340.9.

Levine, Seymour D., and P. A. Diassi, to E. R. Squibb & Sons, Inc. A-norprogesterone derivatives. 3,381,029, 4–30–68, Cl. 260—488.

Levine, Seymour D., and P. A. Principe, to E. R. Squibb & Sons, Inc. Fermentation preparation of 12 beta, 17 alpha-dihydroxy-A-norprogesterone. 3,382,155. 5–7–68. Cl. 195—51.

Levine, Seymour D., and P. A. Diassi, to E. R. Squibb & Sons, Inc. Δ^3-A-norandrostene-2β-17β-diols and ester derivatives. 3,389,169, 6–18–68, Cl. 260—488.

Levine, Sidney, to American Aluminum Window Corp. Sill lock for stationary panel of sliding glass door units. 3,418,016, 12–24–68, Cl. 292—96.

Levine, Sol. Power operated knife with reciprocating slicing blade and electric motor located remotely of the blade. 3,367,026, 2–6–68, Cl. 30—272.

Levine, Sol, to Del Laboratories, Inc. Display package for cosmetics. 3,404,774, 10–8–68, Cl. 206—78.

Levine, Walter E.: *See*—
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Levine, Walter E., to Dresser Industries, Inc. Control device. 3,386,411, 6–4–68, Cl. 116—129.

Levino, Andre J. Wheel balancer. 3,365,954, 1–30–68, Cl. 73—484.

Le Vino, Robert F.: *See*—
Larsen, Agnew E., and Le Vino. 3,362,665.
Larsen, Agnew E., and Le Vino. 3,372,893.

Levinos, Steven: *See*—
Schwerin, Andre K., Diener, and Levinos. 3,388,995.

Levinos, Steven, to General Aniline & Film Corp. Protective localized area resin coatings for electroplating. 3,390,061, 6–25–68, Cl. 204—15.

Levinson, Arthur A., L. C. Radtke, and K. B. Basa, to H. B. Taylor Co. Stabilization of flavoring, odorant and perfume compositions. 3,385,713, 5–28–68, Cl. 99—140.

Levinson, Melvin L. Microwave and ultrasonic apparatus. 3,410,116, 11–12–68, Cl. 68—3.

Levinstein, Moses A., and J. W. Grenier, to General Electric Co. Method of co-depositing titanium and aluminum on surfaces of nickel, iron and cobalt. 3,415,672, 12–10–68, Cl. 117—71.

Levishko, Anatoly A. Bearing device for a vertical shaft of a crushing cone of a gyratory crusher. 3,413,047, 11–26–68, Cl. 308—144.

Levit, Edward C.: *See*—
Bolling, Vernon B., and Levit. 3,408,106.

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Staats, Henry N., and Levitan. 3,417,653.
Staats, Henry N., Levitan, and Morrissey. 3,401,439.
Staats, Henry N., Levitan, and Morrissey. 3,407,105.

Levitch, Robert G., to Burlington Industries, Inc. Carpet tile. 3,402,094, 9–17–68, Cl. 161—44.

Levitt, Harold: *See*—
Willcox, Frederick P., Smith, and Levitt. 3,376,509.
Willcox, Frederick P., Smith, and Levitt. 3,400,392.

Levitt, Semond: *See*—
Hindin, Eugene, Kandle, and Levitt. 3,387,729.

Levitt, Semond, to Strick Corp. Container lifting frame with means to shift same laterally on a forklift truck. 3,387,730, 6–11–68, Cl. 214—621.

Levkoff, Henry, and J. Phillips, to Witco Chemical Co., Inc. Food coating compositions comprising ethylenevinyl acetate copolymer and acetylated monoglyceride. 3,388,085, 6–11–68, Cl. 260—23.

Levkovitz, George, to Structomatic, Inc. Method and apparatus for forming wood roof trusses or the like. 3,390,627, 7–2–68, Cl. 100—11.

Levkowetz, Henrik, to Forsvarets Forskningsinstitutt (Norwegian Research Defence Establishment). Microwave oscillator having a delay line surrounding the interaction chamber. 3,391,349, 7–2–68, Cl. 331—86.

Le Von, Mihran, Jr. Vehicle identification system. 3,406,391, 10–15–68, Cl. 343—6.5.

Le Voy's Inc.: *See*—
Pannier, Karl A., Ring, and Sorenson. 3,399,674.

Levy, Alan J., and M. H. Litt, to Allied Chemical Corp. Process for the preparation of heterocyclic lminoethers. 3,402,178, 9–17–68, Cl. 260—307.

Levy, Arthur: *See*—
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Levy, Bernardo N.: *See*—
Perkins, Cornelius C., Allen, Ayres, Dowds, and Levy. 3,403,386.

Levy, David. Shoe construction. 3,408,751, 11–5–68, Cl. 36—2.5.

Levy, Ernest: *See*—
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Giannamore, Ronald, Levy, and Powell. 3,392,322.
Sikes, Richard L., Levy, and Giannamore. 3,391,326.

Levy, Erwin. Conduit support bracket. 3,404,858, 10–8–68, Cl. 248—68.

Levy, Eugene A. Mirror assembly to be held between the knees of a user. 3,411,842, 11–19–68, Cl. 350—298.

Levy, Felix. Method and means for preventing the deposit of vapor and rime on windows and windshields. 3,415,308, 12–10–68, Cl. 165—2.

Levy, Gert G., to Chrysler Corp. Sealing of aluminum surfaces. 3,418,218, 12–24–68, Cl. 204—35.

Levy, Gert G., to Chrysler Corp. Metal cleaning composition. 3,419,501, 12–31–68, Cl. 252—137.

Levy Industries Ltd.: *See*—
Bauer, Leo. 3,361,223.

Levy, Joseph, and W. W. Walker, to Universal Oil Products Co. Process for producing ethoxy naphthoic acid. 3,371,111, 2–27–68, Cl. 260—520.

Levy, Joseph, and W. W. Walker, to Universal Oil Products Co. Process for the preparation of hydroxy naphthoic acids. 3,405,169, 10–8–68, Cl. 260—520.

Levy, Joseph, and W. W. Walker, to Universal Oil Products Co. Process for the preparation of hydroxy naphthoic acids. 4,405,170, 10–8–68, Cl. 260—520.

Levy, Joseph P., to Sperry Rand Ltd. Palladium chloride solution coating catalyst. 3,414,427, 12–3–68, Cl. 117—47.

Levy, Kurt, to General Precision Systems, Inc. Low-level flight system. 3,373,423, 3–12–68, Cl. 343—5.

Levy, Louis, and D. A. McClure, to Rexall Drug and Chemical Co. Treatment of inflammation with 1-methyl-3-benzoyl-4-hydroxy-4-phenylpiperidine and halo derivatives thereof. 3,408,445, 10–29–68, Cl. 424—267.

Levy, Michael J., to Combined Industries, Inc. Knockdown cabinet construction. 3,415,584, 12–10–68, Cl. 312—257.

Levy, Milton. Display container. 3,417,861, 12–24–68, Cl. 206—45.28.

Levy, Murray N., to E. W. Bliss Co. Method and apparatus for perforating or cutting a rapidly moving strip. 3,375,-743, 4–2–68, Cl. 83—27.

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Robinson, Stephen J., Levy, and Alcock. 3,378,787.

Levy, Robert M., to Allied Paper Inc. Electrostatic reproduction system. 3,419,888, 12–31–68, Cl. 346—74.

Levy, Stanley B.: *See*—
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Levy, Stephen D., to American Cyanamid Co. Preparation of 2-imino-1,3-dihydrogen sulfate. 3,364,231, 1–16–68, Cl. 260—327.

Levy, William G. Artist's bench. 3,399,925, 9–3–68, Cl. 297—156.

Lewakowski, John J., to Chrysler Corp. Hydraulic control arrangement. 3,368,457, 2–13–68, Cl. 91—39.

Lewallen, John V., and R. A. Carle, to Phillips Petroleum Co. Carton blank. 3,381,880, 5–7–68, Cl. 229—36.

Lewals, Inc.: *See*—
Walis, Leroy C. 3,369,687.

LeWan, Chester R., to International Telephone and Telegraph Corp. Valve diaphragm with pressure relief holes. 3,362,679, 1–9–68, Cl. 251—38.

Lewandowski, Raymond F., to Oak Electro/Netics Corp. Rotary switch. 3,389,235, 6–18–68, Cl. 200—11.

Lewanski, Richard M.: *See*—
French, Jack W., Hefley, Lewanski, and Modry. 3,404,-658.
French, Jack W., and Lewanski. 3,390,413.

Lewek, Stanley S., to Corning Glass Works. Method of treating glass in a molten salt. 3,395,999, 8–6–68, Cl. 65—30.

Lewicki, Artur. Flexible extension for socket wrenches of ratchet type. 3,399,584, 9–3–68, Cl. 81—177.

Lewicki, Reginald T., to Ford Motor Co. Servo mechanism. 3,382,727, 5–14–68, Cl. 74—190.

Lewicki, Reginald T., to Ford Motor Co. Two-stage fluid pressure governor. 3,413,991, 12–3–68, Cl. 137—54.

Lewin, Otto, to The Leopold Co. Lever controlled component locking and moving arrangement for cabinets. 3,374,043, 3–19–68, Cl. 312—219.

Lewing, Albert W., to Tampax Inc. Absorbent device. 3,371,-666, 3–5–68, Cl. 128—285.

Lewing, Albert W., to Third National Bank of Hampton County administrator with the will annexed of the estate of said A. W. Lewing, deceased, assor. to Tampax Inc. Applicator tube. 3,419,005, 12–31–68, Cl. 128—263.

Lewis, Albert: *See*—
Provance, Jason D., Lewis, and Kelley. 3,408,213.

Lewis, Albert D.: *See*—
Bradley, Ronald W., and Lewis. 3,390,678.

Lewis, Allen L., to Continental Oil Co. Method for the manufacture of dialkyl aluminum hydride compounds. 3,373,179, 3–12–68, Cl. 260—448.

Lewis, Alvan D., ½ to J. A. Donato. Connector. 3,402,947, 9–24–68, Cl. 285—317.

Lewis, Armand F., L. M. Zaccardo, and A. M. Schiller, to American Cyanamid Co. Polyurethane based adhesive systems and laminates prepared therewith. 3,391,054, 7–2–68, Cl. 161—186.

Lewis, B. Franklin: *See*—
Medlar, Lewis A. 3,386,032.

Lewis, Barnard J., to Brush-Tone Corp. Base vehicles for water-content printing ink, and water color printing ink made therewith. 3,361,582, 1–2–68, Cl. 106—14.5.

Lewis, Bernard L., to Radiation Inc. Radar augmentor. 3,371,345, 2–27–68, Cl. 343—18.

Lewis, Bernard L., to Radiation Inc. Multiple frequency antenna. 3,389,394, 6–18–68, Cl. 343—725.

Lewis, Bernard L., to Radiation Inc. Dielectric end fire antenna. 3,413,643, 11–26–68, Cl. 343—785.

Lewis, Bernard L., and L. Pietsch, to Radiation Inc. Modulated retrodirective corner reflector. 3,417,398, 12–17–68, Cl. 343—18.

Lewis, Bobby J.: *See*—
Breed, Rolland N., Budlong, Casterline and Lewis. 3,403,-230.

Lewis Bros. Mfg. Co.: *See*—
Lewis, Robert L., and Thomas. 3,412,943.

Lewis, Carl M., to The Trane Co. Capacity controlled refrigeration system. 3,360,952, 1–2–68, Cl. 62—196.

Lewis, Carl O.: *See*—
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Helm, Percy R., and Lewis. 3,416,622.

Lewis, Charles T. Cable grip support. 3,399,853, 9–3–68, Cl. 248—60.

Lewis, Dale K., and O. R. Hudson, to General Motors Corp. Ignition system for internal combustion engines. 3,418,-988, 12–31–68, Cl. 123—148.

Lewis, Dean F. Cargo anchoring device. 3,412,693, 11–26–68, Cl. 105—369.

Lewis, Derek C.: *See*—
Westwood, William D., and Lewis. 3,404,966.

Lewis, Donald B., to General Motors Corp. Crankcase ventilation flow regulator valve. 3,380,441, 4–30–68, Cl. 123—119.

Lewis, Donald J., and I. G. Coombs, to Space Ordnance Systems, Inc. Light energized explosive device. 3,408,937, 11–5–68, Cl. 102—70.2.

Lewis, Donald M., and F. J. Sebellst, to E. I. du Pont de Nemours and Co. Oxidation of polyalkyl aromatics to polycarboxylic acids. 3,406,196, 10–15–68, Cl. 260—524.

Lewis, Dwight C., to Penn Controls, Inc. Environmental monitor and control system. 3,381,488, 5–7–68, Cl. 62—126.

Lewis, Dwight C., to Penn Controls, Inc. Proportional silicone controlled rectifier driven system for a heat motor. 3,389,-314, 6–18–68, Cl. 318—117.

Lewis, Edward V., to John J. McMullen Associates, Inc. Ship stabilizer. 3,382,834, 5–14–68, Cl. 114—125.

Lewis, Emil H., to Esso Research and Engineering Co. Process for the hydrogenation of steam cracked naphtha. 3,388,056, 6–11–68, Cl. 208—143.

Lewis, Eugene W., F. Warden, J. H. Mills, and B. F. McNickle. Disposable pre-charged dental handpiece. 3,389,468, 6–25–68, Cl. 32—59.

Lewis, Eugene W., F. Warden, J. H. Mills, and B. F. McNickle. Method for producing dental molds or molding material. 3,404,723, 10–8–68, Cl. 164—34.

Lewis, Eugene W., F. Warden, J. H. Mills, and B. F. McNickle. Method and package for producing dental molds or molding material. 3,407,924, 10–29–68, Cl. 206—63.5.

Lewis Engineering Co.: *See*—
Jackman, John A. Re. 26,349.
Knudsen, Knud J. 3,371,268.
Knudsen, Knud J. 3,399,293.

Lewis, Ernest E.: *See*—
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Lewis, Ernest E., to United Shoe Machinery Corp. Rotary hydraulic drives. 3,362,254, 1–9–68, Cl. 74—640.

Lewis, Ernest E., to General Electric Co. Steering and driving power system. 3,368,425, 2–13–68, Cl. 74—720.5.

Lewis, Everett C., and J. Jonakin, to Combustion Engineering, Inc. High temperature steam heaters and tube arrangement therefor. 3,368,532, 2–13–68, Cl. 122—367.

Lewis, Everette C., R. G. Tallent, and A. L. Plumley, to Combustion Engineering, Inc. Prevention of furnace corrosion. 3,404,663, 10–8–68, Cl. 122—7.

Lewis, Frank D., Sr., to Lockheed Aircraft Corp. Linear and angular responsive accelerometer anti-skid device. 3,385,-307, 5–28–68, Cl. 137—38.

Lewis, Fred I., and G. R. Jack. Safety belt system. 3,371,736, 3–5–68, Cl. 180—82.

Lewis, G. B., Co.: *See*—
Frater, Allen H. 3,416,704.
Frater, Milton A. and A. H. 3,404,804.

Lewis, Geoffrey A., to Joseph Lucas (Industries) Ltd. Centrifugal liquid pumps. 3,361,071, 1–2–68, Cl. 103—97.

Lewis, George D., Jr., and L. A. Wollstein. Multiple serging machine. 3,395,660, 8–6–68, Cl. 112—123.

Lewis, George E., to Power-Flo Products, Inc. Shifting mechanism. 3,370,477, 2–27–68, Cl. 74—337.5.

Lewis, George L., H. C. Gulledge, and G. Teufer, to E. I. du Pont de Nemours and Co. Thermally stable fibrous alkali metal titanates. 3,380,847, 4–30–68, Cl. 117—100.

Lewis, Gerald F. Height gages. 3,373,497, 3–19–68, Cl. 33—170.

Lewis, Gerald F., to Jim Robbins Seat Belt Co. Belt retracting device with collet locking means. 3,418,021, 12–24–68, Cl. 297—388.

Lewis, Harry, and R. A. Smith, to The International Nickel Co. Corrosion-resistant nickel-chromium alloys with improved stress-rupture characteristics. 3,408,179, 10–29–68, Cl. 75—171.

Lewis, Harry T., Jr.: *See*—
Driskell, John C., and Lewis. 3,411,893.

Lewis, Henry R.: *See*—
Sabisky, Edward S., and Lewis. 3,366,887.

Lewis, Herman L., Jr.: *See*—
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Lewis-Howe Co.: *See*—
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Lewis, Hughie E., and W. Potter, Jr. Collapsible blocking dummy. 3,416,795, 12–17–68, Cl. 273—55.

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Lewis, Jack R. Spring board. 3,408,069, 10–29–68, Cl. 272—66.

Lewis, James C., to United States of America, Agriculture. Lead chelates for biological separations. 3,385,766, 5–28–68, Cl. 195—96.

Lewis, James E., to United States of America, Navy. Antenna feed for two coordinate tracking radars. 3,388,399, 6–11–68, Cl. 343—783.

Lewis, James G., to The Imperial Tobacco Co. (of Great Britain and Ireland), Ltd. Method and apparatus for threshing leaves, e.g. tobacco leaves. 3,367,342, 2–6–68, Cl. 131—145.

Lewis, James W. Fireplace heating system. 3,394,697, 7–30–68, Cl. 126—132.

Lewis, James W., to Swanson-Erie Corp. Inspection machine for flares. 3,405,800, 10–15–68, Cl. 209—75.

Lewis, John C., Jr.: *See*—
Shaw, Gilbert, and Lewis. 3,402,416.

Lewis, John C., Jr. Artificial ice rink employing modular units. 3,379,031, 4–23–68, Cl. 62—235.

Lewis, John C., Jr., to Polymers, Inc. Unoriented polyolefin filament with polyurethane foam core. 3,403,070, 9–24–68, Cl. 161—175.

Lewis, John C., Jr., to Polymers, Inc. Foamed artificial filament. 3,411,979, 11–19–68, Cl. 161—178.

Lewis, John G.: *See*—
Royer, Neal B., Dederick, and Lewis. 3,378,709.

Lewis, John H. R., to The Marconi Co. Ltd. Speed measuring apparatus. 3,419,863, 12–31–68, Cl. 343—8.

Lewis, John H. R., to The Marconi Co. Ltd. Speed measuring apparatus. 3,419,864, 12–31–68, Cl. 343—8.

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Lindemann, Martin K., and R. P. Volpe, to Air Reduction Co., Inc. Paper coating composition containing vinyl acetate-ethylene-triallyl cyanurate terpolymers and coated product formed therefrom. 3,404,112, 10–1–68, Cl. 260—29.6.

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Lindenfeld, Bela G., to Perma-Line Co., a partnership Composed of S. R. Gross, W. W. Pattis, and S. Zunamon, trustees. Preheater device and apparatus for applying striping material including same. 3,362,399, 1–9–68, Cl. 126—343.5.

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Lindenmayer, Carl E. Draperies and drapery material. 3,372,729, 3–12–68, Cl. 160—330.

Lindenschmidt, Robert E., and C. R. Gant, to Whirlpool Corp. Cabinet with means for making receptacle therein accessible. 3,387,905, 6–11–68, Cl. 312—274.

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Linder, George J., Jr., to Camera Corp. of America. Photographic apparatus. 3,367,252, 2–6–68, Cl. 95—13.

Linder, George J., Jr., to Camera Corp. of America. Method of developing film in a disposable cartridge. 3,392,646, 7–16–68, Cl. 95—13.

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Gillman, Robert, and Linder. 3,380,257.
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Linderman, Garrett B., and H. T. Gibson, to Linderman Engineering Co., Inc. Photosensitive device for protecting the photoresponsive transducer in a pinhole detector. 3,393,322, 7–16–68, Cl. 250—219.
Linderman, Garrett B., and H. T. Gibson. Can testing. 3,416,659, 12–17–68, Cl. 209—111.7.
Linderman, Shayne. Hose handling machine. 3,368,773, 2–13–68, Cl. 242—86.2.
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Lindgren, Paul G. Flail-type material spreader with load opener. 3,392,922, 7–16–68, Cl. 239—658.
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Lindholm, William H. and D. W. 3,382,794.
Lindholm, Donald W. and W. H. Planar faced ball catching and throwing paddle. 3,366,386, 1–30–68, Cl. 273—96.
Lindholm, Frank J., K. R. Tyler, and D. R. Tremper, to Signode Corp. Strapping apparatus. 3,362,321, 1–9–68, Cl. 100—4.
Lindholm, Ingemar, B. Mueller, and O. Mjorne, to Allmanna Svenska Elekstriska Aktiebolaget. Fuel cell having sintered porous electrode consisting of electrically conductive material and of boron. 3,414,438, 12–3–68, Cl. 136—86.
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Lindholm, William H. and D. W. Newspaper receptacle and bundler. 3,382,794, 5–14–68, Cl. 100—34.
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Lindinger, Joseph L., and Y. Rachovitsky, to Radio Corp. of America. Controlling interchanges between a computer and many communications lines. 3,409,878, 11–5–68, Cl. 340—172.5.
Lindkvist, Elrik, to Perstorp Aktiebolag. Process and equipment for the manufacture of pure polyalcohols. 3,379,624, 4–23–68, Cl. 203—77.
Lindkvist, Elrik, to Perstorp Aktiebolag. Apparatus for the production of formic acid. 3,395,989, 8–6–68, Cl. 23—263.
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Lindley, William L., to William W. Carstens. Safety inserts for tubeless tires. 3,394,749, 7–30–68, Cl. 152—158.
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Lindmayer, Joseph, to Sprague Electric Co. Small junction area S-M-S transistor. 3,394,289, 7–23–68, Cl. 317—235.
Lindmayer, Joseph, and C. Y. Wrigley, to Sprague Electric Co. Diode circuits and diodes therefor. 3,365,627, 1–23–68, Cl. 317—234.
Lindmayer, Joseph, and C. Y. Wrigley, to Sprague Electric Co. Negative resistance diode. 3,404,318, 10–1–68, Cl. 317—234.
Lindmayer, Joseph W., R. R. Garnache, and J. J. Casey, to Sprague Electric Co. Method of making a transistor with a very thin diffused base and an epitaxially grown emitter. 3,409,482, 11–5–68, Cl. 148—175.
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Lindner, Paul L., to Witco Chemical Co., Inc. Dispersant compositions and toxicant concentrates containing the same. 3,408,174, 10–29–68, Cl. 71—4.
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Lindner, Walter O., and J. I. Aubuchon, to ACF Industries, Inc. Method of making a valve element. 3,381,352, 5–7–68, Cl. 29—156.7.
Lindquist, Adolph L. Pusher attachment for chain conveyor. 3,404,639, 10–8–68, Cl. 104—172.
Lindquist, Alberta M. Toothbrush holder. 3,367,610, 2–6–68, 248—110.
Lindquist, Arne H., to Nydqvist & Holm Aktiebolag. Device for indicating the presence of water in and for removal of water from runner hubs of hydraulic turbines or pumps. 3,404,738, 10–8–68, Cl. 170—160.23.
Lindquist, Arwin B., to International Business Machines Corp. Persistent supercurrent associative memory system. 3,413,616, 11–26–68, Cl. 340—173.1.
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Lindquist, Terry K., and R. L. Smirl, to Borg-Warner Corp. Friction plate employing separator means. 3,366,209, 1–30–68, Cl. 192—107.
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Lindsay, James E. Pressure gauge. 3,375,719, 4–2–68, Cl. 73—411.
Lindsay, Kenneth W., to Ideal Toy Corp. Audio device. 3,370,855, 2–27–68, Cl. 274—1.
Lindsay, Maurice E. Engine overhead valve gear. 3,362,391, 1–9–68, Cl. 123—190.
Lindsay, Robert E., to Phillips Petroleum Co. Catalytic cracking and in situ combustion process for producing hydrocarbons. 3,412,011, 11–19–68, Cl. 208—113.
Lindsay, Wesley N., to Jennings Radio Mfg. Corp. Vacuum capacitor. 3,377,531, 4–9–68, Cl. 317—244.
Lindsay, William T., Jr., to Westinghouse Electric Corp. Water conversion process and apparatus. 3,401,094, 9–10–68, Cl. 203—7.
Lindsey, Ernest E. Process for making a partially frozen confection. 3,405,532, 10–15–68, Cl. 62—66.
Lindsey, Jack H., and T. W. Rose. Coin-operated player piano. 3,369,438, 2–20–68, Cl. 84—123.
Lindsey, Joe P., to Phillips Petroleum Co. Apparatus for color display of seismic data. 3,401,400, 9–10–68, Cl. 346—108.
Lindsey, Kenneth B., G. W. Cooper, and W. A. Pearce, to Continental Oil Co. Method of strengthening foundation piling. 3,412,565, 11–26–68, Cl. 61—53.5.
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Lindsey, Larry M., to Swaco, Inc. Control for a hydraulically actuated choke in a drilling mud flow line. 3,362,487, 1–9–68, Cl. 175—38.
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Lindsey, William B., to E. I. du Pont de Nemours and Co. Process of treating polyimide surface with polyalkylenimines and polyalkylene polyamines. 3,361,586, 1–2–68, Cl. 117—46.
Lindsey, William B., to E. I. du Pont de Nemours and Co. Process for treating polyimide surface with basic compounds and polyimide surface having thin layer of polyamide acid. 3,361,589, 1–2–68, Cl. 117—118.
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Lindstrom, Olov. Ceiling of plural sheets with interengaging flanges fitting in beam recesses. 3,412,516, 11–26–68, Cl. 52—492.
Lindstrom, Oscar F., ½ to D. J. McKay. Guide rail for electrically operated toy vehicle. 3,379,138, 4–23–68, Cl. 104—148.
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Ling, Andrew T., to Radio Corp. of America Computer capable of switching between programs without storage and retrieval of the contents of operation registers. 3,373,408, 3–12–68, Cl. 340—172.5.
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Lingerfelt, Will C., to American Enka Corp. Constant pressure drive used in the formation of yarn packages. 3,363,850, 1–16–68, Cl. 242—18.
Lingl, Johann. Method and apparatus for setting bricks. 3,388,815, 6–18–68, Cl. 214—6.
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Link, Charles J. Circulating mill guide. 3,397,746, 8–20–68, Cl. 166—117.6.
Link, Edwin, to RTE Corp. Safe break terminator. 3,376,541, 4–2–68, Cl. 339—61.
Link, Edwin A., to Ocean Systems, Inc. Inhabitable underwater structure. 3,379,021, 4–23–68, Cl. 61—69.
Link, Edwin A., to Ocean Systems, Inc. Crane. 3,401,804, 9–17–68, Cl. 212—58.
Link, Edwin A., to RTE Corp. Vented safe break terminator. 3,413,592, 11–26–68, Cl. 339—111.
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Linker, Roy E. Windshield wiper assembly. 3,408,678, 11–5–68, Cl. 15—250.05.
Linker, Roy E. Heated windshield wiper with reflector means. 3,409,930, 11–12–68, Cl. 15—250.06.
Linkletter, Robert P., and J. D. Pauls. Bottle cap. 3,407,956, 10–29–68, Cl. 215—41.
Linn, Carl B., and J. A. Vesely, to Universal Oil Products Co. Preparation of nitrated aromatic ethers. 3,417,146, 12–17–68, Cl. 260—609.
Linn, David H.: *See*—
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Linneborn, Walter. Method and apparatus for electrostatically applying flock to filament material. 3,375,124, 3–26–68, Cl. 117—17.
Linneman, Fred H. Continuously burying plow for pipe and the like. 3,391,545, 7–9–68, Cl. 61—72.6.
Linnemann, Helmut. Pin setting apparatus including sorting means for segregating pins of different types. 3,380,739, 4–30–68, Cl. 273—43.
Linnemann, Rolf, to Didier-Werke AG. Device for installing or replacing the lining of rotary kilns. 3,383,824, 5–21–68, Cl. 52—749.
Linnerz, Wilhelm, to Lindemann Maschinenfabrik G.m.b.H. Hydraulic extrusion press. 3,381,512, 5–7–68, Cl. 72—265.
Linnerz, Wilhelm, to Lindemann Maschinenfabrik G.m.b.H. Carrier for shaping dies in extrusion presses. 3,391,565, 7–9–68, Cl. 72—263.
Linnerz, Wilhelm, and H. Goller, to Lindemann Maschinenfabrik G.m.b.H. Extrusion presses. 3,391,564, 7–9–68, Cl. 72—263.
Linnerz, Wilhelm, and H. Goller, to Lindemann Maschinenfabrik G.m.b.H. Extrusion presses. 3,391,566, 7–9–68, Cl. 72—265.
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Heimel, Kurt, and Greiner. 3,362,526.
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Lins, Stanley J., and R. D. Morrison, to Sperry Rand Corp. Method of electrically interconnecting conductors. 3,373,481, 3–19–68, Cl. 29—471.3.
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Linser, Joerg, to Zahnradfabrik Friedrichshafen Aktiengesellschaft Friedrichshafen. Valve for power steering systems. 3,407,844, 10–29–68, Cl. 137—596.
Linsley, Clarence R., to General Precision Systems Inc. Spindle apparatus useful with rotating memory discs. 3,372,962, 3–12–68, Cl. 308—184.
Linsley, Clarence R., to General Precision Systems, Inc. Spring clip retainer means for air bearing magnetic transducer assemblies. 3,403,388, 9–24–68, Cl. 340—174.1.
Linssen, Heinrich. Fluid discarge valve. 3,383,087, 5–14–68, Cl. 251—289.
Linstead, Lorraine A. Hand knitting apparatus kit. 3,384,220, 5–21–68, Cl. 206—16.
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Linstead, Robert S., to Structo Division, King-Seeley Thermos Co. Portable foldable outdoor grill. 3,386,430, 6–4–68, Cl. 126—25.
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Linton, Howard R., and E. F. Klenke, Jr., to E. I. du Pont de Nemours and Co. Color stabilized mica. 3,372,047, 3–5–68, Cl. 106—291.
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Lion, Rene, to Fives-Penhoet. Method of forming tube plate by electronic welding of tubes and the article formed. 3,406,752, 10–22–68, Cl. 165—17.3.

Lion, William D., and R. M. Stewart, to Gulf Research & Development Co. Viscosity measurement. 3,389,596, 6–25–68, Cl. 73—60.

Lionel Corp., The: *See*—
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Lipinski, Richard J., to Lord Corp. Treatment of aluminum, compositions therefor and products thereof. 3,380,860, 4–30–68, Cl. 148—6.27.

Lipinski, Vincent F., to Harvey Hubbell, Inc. Electrical connector. 3,392,362, 7–9–68, Cl. 339—42.

Lipinsky, Robert J. Method and apparatus for quantity production of unbaked folded pastries. 3,379,139, 4–23–68, Cl. 107—1.

Lipka, David H.: *See*—
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Lipoma, Samuel P., and H. E. Watkins, to Lipoma Electronics Co. Process for making fried chips. 3,365,301, 1–23–68, Cl. 99—100.

Lipor, Edward R. Electrode type bottle warmer having time controlled operation. 3,385,950, 5–28–68, Cl. 219—295.

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Lipowski, Stanley A., and C. A. Fetscher, to Diamond Shamrock Corp. Stabilization of water soluble acetohydroxamic acid salts. 3,419,603, 12–31–68, Cl. 260—500.5.

Lipp, Alfred, to Elektroschmelzwerk Kempten G.m.b.H. Process for the manufacture of a boron, aluminum or alkaline earth metal, and carbon composition and product. 3,364,152, 1–16–68, Cl. 252—478.

Lipp, Alfred, to Elektroschmelzwerk Kempten G.m.b.H. Process for the manufacture of alkali metal metal borides. 3,402,020, 9–17–68, Cl. 23—204.

Lipp, Charles E., A. Rakus, and G. W. Vicary, to Caterpillar Tractor Co. Bonding machines. 3,377,009, 4–9–68, Cl. 228—2.

Lipp, Charles E., C. R. Wilson, and G. F. Betzelberger, to Caterpillar Tractor Co. Exchanging dispenser for articles wherein a replacement article dispenses a similar article. 3,404,764, 10–8–68, Cl. 194—4.

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Von Bethmann, Max F., Lipp, and Bayer. 3,396,735.

Lipp, Xaver, to Reinhardt Maschinenbau G.m.b.H. Device for connecting edges of sheet metal. 3,407,640, 10–29–68, Cl. 72—181.

Lippell, Bernard, to United States of America, Army. Reduced bandwidth binary picture transmission. 3,377,423, 4–9–68, Cl. 178—6.

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Loeb, Arthur L., to Kennecott Copper Corp. Instrument for representation of crystal structure. 3,368,290, 2-13-68, Cl. 35—18.
Loeb, Ernest, to Allis-Chalmers Mfg. Co. Gang type control rod drive. 3,375,728, 4-2-68, Cl. 74—422.
Loeb, Frederick. Hat with expandable hat base. 3,409,911, 11-12-68, Cl. 2—197.
Loeb, Sidney, to The Regents of the University of California. Fresh water recovery. 3,364,288, 1-16-68, Cl. 264—49.
Loeb, William E.: *See*—
Carlon, Frank E., Loeb, and Valley. 3,397,085.
Loeb, William E., to Union Carbide Corp. Photo-masking system using p-xylylene polymers. 3,375,110, 3-26-68, Cl. 96—36.
Loeb, William E., to Union Carbide Corp. Photosensitive insulation with p-xylyene polymers. 3,395,016, 7-30-68, Cl. 96—36.
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Loebel, Frederick A., to Aqua-Chem, Inc. Water supply system. 3,380,895, 4-30-68, Cl. 202—176.
Loebel, Frederick A., and A. B. Steinbruchel, to Aqua-Chem, Inc. Multistage still with hot condensate stageheater. 3,395,084, 7-30-68, Cl. 202—173.
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Larsen, Ted L., Archer, and Loebner. 3,398,310.
Loeffel, Hansrolf: *See*—
Anderau, Walter, and Loeffel. 3,404,982.
Loeffel, Lester H., and E. C. Champagne, to The Berger Bros. Co. Sacro-lumbar supporting garment. 3,362,402, 1-9-68, Cl. 128—78.
Loeffler, Jacob F.: *See*—
Hight, Hanford Z., Gallant, Shannon, and Loeffler. 3,419,647.
Loeffler, John E., P. McAlister, and P. R. Prokish, to Diamond Shamrock Corp. Corrosion resistant flame reactor. 3,409,407, 11-5-68, Cl. 23—277.
Loeffler, John E., Jr.: *See*—
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Barber, Robert R., Lang, Loeffler, and Kurzweil. 3,413,517.
Barber, Robert R., and Loeffler. 3,418,520.
Loehle, Max J., to General Electric Co. Aeration meter. 3,381,518. 5-7-68, Cl. 73—19.
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Loepsinger, Albert J., to Grinnell Corp. Traveling overhead textile machine cleaner. 3,375,539, 4-2-68, Cl. 15—312.
Loesch, Claude E., and L. J. Livestock feeder using open ended reciprocating trough. 3,403,773, 10-1-68, Cl. 198—52.
Loesch, Leo J.: *See*—
Loesch, Claude E., and L. J. 3,403,773.
Loev, Bernard: *See*—
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Goonewardene, Hilary F., and Loev. 3,418,362.
Popoff, Ivan C., and Loev. 3,373,190.
Loev, Bernard to Smith Kline & French Laboratories. Process for the preparation of oxime carbamates. 3,376,342, 4-2-68, Cl. 260—566.
Loev, Bernard, to Smith Kline & French Laboratories. Trifluoromethylphthalic acid amides. 3,389,166, 6-18-68, Cl. 260—471.
Loev, Bernard, to Smith Kline & French Laboratories. Halocinnamoylaminoacetamides. 3,415,880, 12-10-68, Cl. 260—558.
Loev, Bernard, and E. Macko, to Smith Kline & French Laboratories. Antidepressant compositions and methods employing 7-N azaindoles. 3,377,246.
Loev, Bernard, and D. T. Walz, to Smith Kline & French Laboratories. Compositions for producing analgesia and antipyresis. 3,378,442, 4-16-68, Cl. 167—65.
Loew, Frederic C., to Interchemical Corp. Zein prepared by strong alkali hydrolysis of aqueous alcoholic zein solutions and subsequent acid precipitation of the alkali. 3,370,054, 2-20-68, Cl. 260—123.
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Loew, Fredrick A. Electrical connector straightener. 3,417,603, 12-24-68, Cl. 72—479.
Loewe, Heinz, J. Urbanietz, and G. Lammler, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. N-methyl-piperazides of alicyclic and heterocyclic carboxylic acids. 3,373,163, 3-12-68, Cl. 260—268.
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Puschel, Walter, Schellenberger, Loffler, Wahl, and Pelz. 3,378,554.
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Loffler, Klaus R.: *See*—
Puschel, Walter, Schellenberger, Loffler, Wahl, and Pelz. 3,378,554.
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Puschel, Walter, Schellenberger, Loffler, Wahl, and Pelz. 3,378,554.
Löffler, Theodor, P. Selfried, G. Wilmsmeyer, and K. Harbrecht, to Firma Rheinmetall G.m.b.H. Hand guard for rifles. 3,367,054, 2-6-68, Cl. 42—71.
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Loftin, Clifford W. Domestic back flush water system filter. 3,369,669, 2-20-68, Cl. 210—411.

Loftin, Clifford W. Rear view miror-sun visor assembly. 3,411,-841, 11-19-68, Cl. 350—277.
Loftin, James W., and J. H. Williams, to Standard Fire Protection Equipment Co. Dry pipes sprinkler system. 3,401,751, 9-17-68, Cl. 169—17.
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Logan, Alexander, to Western Electric Co., Inc. Methods of making insulation-penetrating clip-type electrical connectors. 3,394,454, 7-30-68, Cl. 29—629.
Logan, Campbell F. Fluid recovery system and method. 3,389,-559, 6-25-68, Cl. 61—1.
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Logan, Earl A., G. T. Maloney, and R. Carson, to C. R. Bard, Inc. Clamp. 3,374,509, 3-26-68, Cl. 24—81.
Logan, Frank G., to United States of America, Navy. Method of fastening cores of electromagnetic devices. 3,370,350, 2-27-68, Cl. 29—606.
Logan, Frank G., to United States of America, Navy. DC power supply with load potential and polarity determined by potential and polarity of a D.C. input signal. 3,394,298, 7-23-68, Cl. 321—2.
Logan, Frank G., to United States of America, Navy. Static reverse power relay. 3,396,310, 8-6-68, Cl. 317—39.
Logan, Frank G., to United States of America, Navy. Static converter with load potential control. 3,417,311, 12-17-68, Cl. 321—2.
Logan, Frank G., II., and H. W. Thatcher, to Worcester Moulded Plastics Co. Packaging pad. 3,372,795, 3-12-68, Cl. 206—46.
Logan, Gerrard A., to Sprague Electric Co. Electrolyte impervious seal for electrolytic capacitor. 3,398,332, 8-20-68, Cl. 317—230.
Logan, Hugh H., and G. I. Doty, to The Logan Mfg. Co. Shower drain. 3,408,662, 11-5-68, Cl. 4—145.
Logan, John L., to General Motors Corp. Insulation means and moisture sealing of armatures. 3,388,458, 6-18-68, Cl. 29—596.
Logan, Kenneth C., and O. Sepall, to Anglo Paper Products, Ltd. Wood chip. 3,396,069, 8-6-68, Cl. 161—117.
Logan, Lawrence J., Jr., and G. C. Oppenlander, to Hercules Inc. Process for extruding elastic poly(epichlorohydrin) filaments. 3,408,435, 10-29-68, Cl. 264—210.
Logan, Lewis J. Ferrule chuck. 3,391,266, 7-2-68, Cl. 219—98.
Logan, Lewis J. Welding apparatus. 3,401,250, 9-10-68, Cl. 219—98.
Logan, Malcolm, to Holi-Gay Mfg. Co. Method of making artificial tree branches. 3,384,689, 5-21-68, Cl. 264—25.
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Logan, Maurus C., and H. B. Gibson, to The Thomas & Betts Co. Thermocouple junctions. 3,376,170, 4-2-68, Cl. 136—233.
Logan, Ralph A., F. A. Trumbore, and H. G. White, to Bell Telephone Laboratories, Inc. Electroluminescent gallium phosphide crystal with three dopants. 3,365,630, 1-23-68, Cl. 317—237.
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Crook, Dwight L. 3,365,207.
Logemann, Helno, E. Degener, and H. Rachwalsky, to Farbenfabriken Bayer Aktiengesellschaft. Stabilized solutions of copolymers from acrylonitrile and vinylidene chloride. 3,376,254, 4-2-68, Cl. 260—45.75.
Logemann, Johan D., T. J. van der Mond, and W. H. Castenmiller, to Stamicarbon N.V. Process for preparing cyclohexane. 3,405,190, 10-8-68, Cl. 260—667.
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Loghry, John R., 50% to H. A. Loghry. Slip float with line locking means. 3,375,603, 4-2-68, Cl. 43—43.11.
Lo Giudice, Joseph C. Effervescent advertising display and method of making same. 3,392,466, 7-16-68, Cl. 40—106.21.
Logothetis, Anestic L., to E. I. du Pont de Nemours and Co. (Difluoroamino)sulfur pentafluoride. 3,375,085, 3-26-68, Cl. 23—357.
Logsdon, Cecil R. Hypodermic injection apparatus. 3,362,406, 1-9-68, Cl. 128—218.
Logsdon, Duane D. Stabilizer for polymer composition pipe. 3,419,288, 12-31-68, Cl. 285—58.
Logue, Leland H., to Denver Equipment Co. Multiple valve pump. 3,363,580, 1-16-68, Cl. 103—151.
Logue, Leland H., to Denver Equipment Co. Center tower agitator for slurries. 3,379,415, 4-23-68, Cl. 259—44.
Logue, Leland H., and A. C. Daman, Jr., to Denver Equipment Co. Aerating assembly for froth flotation cells. 3,393,802, 7-23-68, Cl. 209—169.
Lohaus, Gerhard, and R. Graf, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing organic compounds containing one or a plurality of nitrile groups. 3,385,866, 5-28-68, Cl. 260—326.5.
Lohaus, Gerhard, and K.-H. Lebkücher, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Optical brighteners. 3,406,035, 10-15-68, Cl. 117—33.5.
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Lohman, Harry C., to The Trane Co. Humidifier. 3,385,574, 5-28-68, Cl. 261—92.
Lohmann, Adolf W., to International Business Machines Corp. Optical computer for correlation and convolution. 3,390,257, 6-25-68, Cl. 235—181.
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Lohmann, Edward P. Magnetic cleaner for coolant. 3,402,820, 9-24-68, Cl. 210—222.
Lohmeier, Edward B., Jr., to Champion Spark Plug Co. Drive mechanism for a plurality of rotatable objects. 3,365,842, 1-30-68, Cl. 51—108.
Lohmeier, Edward B., Jr., and J. J. Konkal, Jr., to Champion Spark Plug Co. Apparatus for changing the spacing of a plurality of conveyed articles. 3,413,871, 11-26-68, Cl. 214—1.
Lohn, Edwin E. Universal carburetor-manifold adaptor. 3,366,-145, 1-30-68, Cl. 138—39.
Lohr, Alfred, H. Hemmann, and K. Tropp, to Burger Eisenwerke Aktiengesellschaft. Kettle for the cooking and/or steaming of comestibles. 3,385,288, 5-28-68, Cl. 126—379.
Lohr, Alfred, H. Hemmann, and K. Tropp, to Burger Eisenwerke Aktiengesellschaft. Meat-turning device. 3,410,198, 11-12-68, Cl. 99—423.
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Lohr, Raymond J., R. N. Carver, and J. Smith, to Louis Marx & Co., Inc. Motor simulator and horn unit. 3,391,489, 7-9-68, Cl. 46—232.
Lohr, Raymond J., R. N. Carver, and J. Smith, to Louis Marx & Co., Inc. Motor unit. 3,393,771, 7-23-68, Cl. 185—37.
Lohr, Thomas E., to General Motors Corp. Sunshade assembly. 3,361,404, 1-2-68, Cl. 248—206.
Lohr, Thomas E., to General Motors Corp. Electrical switch having a floating actuator which is detented into various circuit controlling positions by a leaf spring contact. 3,371,-179, 2-27-68, Cl. 200—153.
Lohr, Thomas E., to General Motors Corp. Electric motor. 3,383,535, 5-14-68, Cl. 310—268.
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Wheeler, Donald J., and Lohrenz. 3,394,857.
Wheeler, Donald J., and Lohrenz. 3,403,833.
Lohrman, William V., to Deere & Co. Integral drawbar with foldable sections. 3,376,050, 4-2-68, Cl. 280—411.
Lohrmann, Erich, to Jagenberg Werke Akt.-Ges. Method for cutting of paper and similar materials. 3,419,706, 12-31-68, Cl. 219—384.
Lohse, Perry O. Turnpike turn signal timing and cancelling assembly. 3,396,367, 8-6-68, Cl. 340—55.
Lohse, Vernon G. Bale stack transfer device. 3,376,987, 4-9-68, Cl. 214—505.
Lolacono, Gabriel M., and K. Nassau, to Bell Telephone Laboratories, Inc. Lithium meta-niobate crystalline growth from melt containing magnesium oxide. 3,418,086, 12-24-68, Cl. 23—301.
Loibl, Johann: *See*—
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Lojkutz, Bruno V., to Gits Bros. Mfg. Co. Seal adapted for a link belt assembly. 3,389,921, 6-25-68, Cl. 277—235.
Lokerson, David T., to United States of America, Army. Drag device. 3,374,973, 3-26-68, Cl. 244—138.
Lokken, Robert J., to Minnesota Mining and Mfg. Co. Photosensitive heat developable copysheet. 3,409,438, 11-5-68, Cl. 96—95.
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Sutter, Ormond S. 3,372,273.
Sutter, Ormand S. 3,415,018.
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Benjamin, E. Burton. 3,371,356.

Loma Linda University: *See*—
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Loma Machine Mfg. Co., Inc.: *See*—
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Lo Maglio, Francis L.: *See*—
Harvey, Robert, and Lo Maglio. 3,361,036.
Lomas, Ernest, to The Loewy Engineering Co., Ltd. Billet extrusion presses. 3,370,449, 2-27-68, Cl. 72—263.
Lomas, Harold, to Ontario Research Foundation. Process of forming paper containing polyethyleneimine cross-linked with methylene-bis-acrylamide and paper thereof. 3,386,880, 6-4-68, Cl. 162—168.
Lombard, David B., and D. V. Power, to United States of America, Atomic Energy Commission. Transducer for measuring pressure pulses. 3,404,559, 10-8-68, Cl. 73—35.
Lombard, Georges L. M. J. Operating push button for opening joined doors in pieces of furniture. 3,362,741, 1-9-68, Cl. 292—336.3.
Lombard, Ralph S., to Textron, Inc. Improved rotary pump. 3,367,274, 2-6-68, Cl. 103—103.
Lombard, Sherman O., to United States of America, Navy. Hydraulic actuated switch construction. 3,379,841, 4-23-68, Cl. 200—82.
Lombardi, Anthony J., to International Telephone and Telegraph Corp. Device having a helical element and an adjustable contactor therefor. 3,388,364, 6-11-68, Cl. 338—143.
Lombardi, Anthony J., to International Telephone and Telegraph Corp. Pressure operated driving means. 3,413,856, 12-3-68, Cl. 73—398.
Lombardi, Michael: *See*—
Chiswell, Alfred P., and Lombardi. 3,401,814.
Lombardo, Leo R., to Cleveland Technical Center, Inc. Dynamic railway track inspecting apparatus. 3,392,451, 7-16-68, Cl. 33—145.
Lombardo, Mario C., to M. Kreisberg, and A. S. Minicozzi. Densifier and waterproofing agents for mortar and concrete and method of making same. 3,366,502, 1-30-68, Cl. 106—314.
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Newallis, Peter E., and Lombardo. 3,417,165
Lombardo, Pasquale, to Allied Chemical Corp. Ketone adducts. 3,393,223, 7-16-68, Cl. 260—468.
Lombardo, Vincent A., and F. B. Kopis, to W. E. Hidding. Carton handle assembling machine. 3,373,476, 3-19-68, Cl. 29—208.
Lomer, Geoffrey J., to Electric & Musical Industries Ltd. Vestigial sideband modulator circuit. 3,375,444, 3-26-68, Cl. 325—136.
Lomer, Geoffrey J., to Electric & Musical Industries Ltd. Distortion reducing modulator. 3,378,632, 4-16-68, Cl. 178—5.4.
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Loncrini, Donald F., to General Electric Co. Polyamide-acids and polyimide from a mixture of dianhydrides. 3,407,176, 10-22-68, Cl. 260—47.
Londal, Ralph K., to Automotive Pattern Co. Setting fixture leveling apparatus. 3,381,588, 5-7-68, Cl. 91—411.
London Concrete Machinery Co. a division of Hodgson Machine & Equipment Ltd.: *See*—
Smit, Gerrit H., and Skinner. 3,405,734.
London, Heinz, to United Kingdom Atomic Energy Authority. Refrigerators operating at very low temperatures. 3,376,712, 4-9-68, Cl. 62—467.
London, Richard V., and R. E. Edelman, to United States of America, Army. Magnesium yttrium alloy. 3,391,034, 7-2-68, Cl. 148—32.5.
London, William C., to Molins Machine Co. Ltd. Apparatus for feeding rod-like articles. 3,405,579, 10-15-68, Cl. 83—102.
Loner, Aldo, to Firma Carinthia Elektrogerate Gesellschaft m.b.H. Shaving head for a dry shaver having a cutter foil mounted on a pivotal frame. 3,386,168, 6-4-68, Cl. 30—43.92.
Lones, Harry E., to Nashua Corp. Activatable adhesive sheets with peaked areas of lesser potential adhesive tenacity. 3,386,846, 6-4-68, Cl. 117—11.
Long, Albert E. Mitre box. 3,397,722, 8-20-68, Cl. 143—86.
Long, Alfred, E. S. Roth, P. W. King, and K. A. Van Dyck, to Olin Mathieson Chemical Corp. Chemical dissolver for feeding a solution. 3,416,897, 12-17-68, Cl. 23—267.
Long, Alton W.: *See*—
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Long, Bernard. Flat glass sheet and method and apparatus for making sheet. 3,414,454, 12-3-68, Cl. 161—1.
Long, Bernard. Flat glass and method and apparatus for making flat glass. 3,414,464, 12-3-68, Cl. 161—192.
Long, Cecil L., to E. I. du Pont de Nemours and Co. Differential speed gravure coating apparatus. 3,392,701, 7-16-68, Cl. 118—212.
Long, Charles A.: *See*—
Meyer, Frederick W. A., Long, and Lake. 3,401,115.
Long, Dan R. Fluid pump. 3,405,648, 10-15-68, Cl. 103—238.
Long, David F.: *See*—
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Long, Edward M.: *See*—
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Ray, Charles L., Baarson, and Long. 3,404,777.
Long, Elton B., to J. I. Case Co. Hydraulic apparatus for locking a side shiftable excavator. Re. 26,439, 8-13-68, Cl. 280—456.
Long, Elton B., to J. I. Case Co. Hydraulic cylinder mounting. 3,386,519, 6-4-68, Cl. 172—805.
Long, Elton B., to J. I. Case Co. Overcenter backhoe. 3,389,816, 6-25-68, Cl. 214—138.
Long, Elton B., to J. I. Case Co. Hydraulic cylinder mounting assembly. 3,391,747, 7-9-68, Cl. 172—809.
Long, Elton B., and J. F. Shumaker, to J. I. Case Co. Backhoe. 3,376,984, 4-9-68, Cl. 214—138.
Long, Emile D., to Conelec Inc. Electronically controlled electromagnetic pump system. 3,361,069, 1-2-68, Cl. 103—53.
Long, Emile D., to Gillett Tool Co., Inc. Precision fuel metering system. 3,412,718, 11-26-68, Cl. 123—32.
Long, Eric L., to Cherry Electrical Products Corp. Housing for multiple switch units. 3,392,254, 7-9-68, Cl. 200—168.
Long, Erle L., to Cherry Electrical Products Corp. Snap-action switch. 3,400,234, 9-3-68, Cl. 200—67.
Long, Ernest G., to Johns-Manville Corp. Ventilating covering element for built-up roofing. 3,387,420, 6-11-68, Cl. 52—302.
Long, Everett, to The English Electric Co. Ltd. Nuclear reactor control rod winding arrangements. 3,361,635, 1-2-68, Cl. 176—36.
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Long, George B., to General Motors Corp. Suspension system. 3,373,961, 3-19-68, Cl. 248—18.
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Longinotti, Enrico. Multi-level building with multi-layered vented walls. 3,390,497. 7–2–68. Cl. 52—236.
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Lorenz, Ernst, O. Reitz, and F. L. Ebenhoech, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Catalytic conversion of carbon monoxide and steam under pressure to produce hydrogen. 3,392,001, 7–9–68, Cl. 23—213.
Lorenz, Harald H., to General Motors Corp. Brake lining wear signalling device. 3,407,906, 10–29–68, Cl. 188—1.
Lorenz, Harvey F., to The Angell Nail & Chaplet Co. Chill. 3,370,643, 2–27–68, Cl. 164—371.
Lorenz, Horst, to Th. Kieserling & Albrecht. Clamping device. 3,386,726, 6–4–68, Cl. 269—31.
Lorenz, Jerome L.: *See*—
Liebermann, John, and Lorenz. 3,383,877.
Lorenz, John W.: *See*—
Ringquist, Clarence L., and Lorenz. 3,378,062.
Lorenz, Maurice G.: *See*—
Savage, David W., Lorenz, and Asher. 3,418,235.
Lorenz, Maurice G., to Esso Research and Engineering Co. N-paraffin separation with erionite. 3,362,904, 1–9–68, Cl. 208—310.
Lorenz, Rainer, K. Witter, and J. Schonefeldt, to North American Philips Co., Inc. Vibrating scraper for inking intagilo printing molds with dry powder. 3,389,655, 6–25–68, Cl. 101—157.
Lorenz, Richard J.: *See*—
Argy, Thomas W., and Lorenz. 3,369,249.
Lorenz, Walter: *See*—
Klauke, Erich, Kühle, Hammann, and Lorenz. 3,407,248.
Lorenz, Walter, and G. Schrader, to Farbenfabriken Bayer Aktiengesellschaft. Thio- or dithio-phosphoric (-phosphonic or -phosphinic) acid esters and processes for the production thereof. 3,371,095, 2–27–68, Cl. 260—294.8.
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Lorenzo, Albert A. Power supply circuitry for lighting fixtures or the like. 3,377,488, 4–9–68, Cl. 307—157.
Lorenzo, John J., G. O. Nagel, and L. Schwartzman, to Sperry Rand Corp. Lightweight antenna formed from net of dielectric cord, having metalized sectors thereon. 3,373,434, 3–12–68, Cl. 343—879.
Loria, Anthony, to Eastman Kodak Co. Silver halide emulsion layers containing yellow dye forming couplers. 3,408,194, 10–29–68, Cl. 96—100.
Loria, Anthony, I. F. Salminen, and A. Weissberger, to Eastman Kodak Co. Two equivalent yellow couplers for color photography. 3,369,895, 2–20–68, Cl. 96—55.
Loria, Walter J., and J. Suhre. Liquid agitating device. 3,399,869, 9–3–68, Cl. 259—114.
Lorillard, P. Co.: *See*—
Allseits, Frank, and Doblin. 3,396,733.
Dalhamn, Tore. 3,410,277.
Schultz, Frederick J., Jensen, and Hudson. 3,370,592.
Lork, Winfried: *See*—
Sennewald, Kurt, Hauser, and Lork. 3,384,654.
Lorman, Alfred F.: *See*—
Laumann, David H. E., and Lorman. 3,402,242.
Lornitzo, Frank C., deceased, by J. R. Blease, administrator, to Ametek, Inc. Shirt body pressing machine. 3,384,347, 5–21–68, Cl. 223—57.
Lornitzo, Frank C., to Ametek, Inc. Shirt-folding machine and method. 3,419,199, 12–31–68, Cl. 223—37.
Loro, Alberto, and S. D. Rosenbaum, to Northern Electric Co. Ltd. Semiconductor devices. 3,405,329, 10–8–68, Cl. 317—234.
Lorraine-Escaut: *See*—
Calmes, Albert H. 3,374,650.
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De Corta, Hubert. 3,366,767.
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Lorrance, Arthur. Article of manufacture with retracting casters and the like. 3,363,725, 1–16–68, Cl. 188—2.
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Los, Anatoly P. Rotary-type machine for stripping bark from round wood. 3,409,057, 11–5–68, Cl. 144—208.
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Carley, James A. 3,416,020.
Losee, Kathryn A.: *See*—
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Konig, Fritz, and Kuhnert. 3,409,837.
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Mandiklian, Edward, and Loser. 3,402,681.
Losert, Miloslav: *See*—
Docekal, Jaroslav, and Losert. 3,417,581.
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Manion, Jean P., and Losin. 3,401,108.
Losinger & Co., A.G.: *See*—
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Nimtz, Kalus, Franzen, and Lossa. 3,406,511.
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Kelly, Patrick J., and Lossius. 3,386,201.
Loston, Zallo. Cleaning implement for vacuum cleaning attachments. 3,384,921, 5–28–68, Cl. 15—402.
Lotarius, Charles R. Game guide. 3,374,557, 3–26–68, Cl. 35—29.
Lothrop, Fred H. G., to United States of America, Atomic Energy Commission. Beam spill control for a synchrontron. 3,412,337, 11–19–68, Cl. 328—228.
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Lott, Milton L., and G. H. Toy horse and accouterments therefor. 3,412,998, 11–26–68, Cl. 272—52.
Lotta, Russell P. Ball drilling machine. 3,382,740, 5–14–68, Cl. 77—5.
Lotta, Russell P. Custom fitting of bowling balls. 3,386,176, 6–4–68, Cl. 33—174.
Loty, Charles, A. E. Guillaume; deceased (by G.-A. Boutry, representative), to Laboratoires d'Electronique et de Phyaique Appliquees L.E.P. Beam deflection system comprising a flattened helix. 3,376,464, 4–2–68, Cl. 315—3.
Lotz, Benno, to Everest & Jennings, Inc. Self-propelled wheel chair, 3,376,944, 4–9–68, Cl. 180—6.5.
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Lotz, Horst K., to Messer Griesheim G.m.b.H. Device for the removal of cutoff workpieces in continuous casting installations. 3,391,918, 7–9–68, Cl. 266—23.
Lotz, Horst K., to Messer Griesheim G.m.b.H. Process for avoiding local cooling of steel in continuous casting equipment. 3,392,775, 7–16–68, Cl. 164—82.
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Louden, William G. Organo-chromium complexes, and their preparation. 3,379,709, 4–23–68, Cl. 260—103.
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Louette, Jean H. E., to S.A.M.I. Societe d'Applications de Moulages Industriels Societe Anonyme. Elastic coupling. 3,362,191, 1–9–68, Cl. 64—11.
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Cobb, Clifton A., and Lough. 3,365,063.
Loughead, Aaron G.: *See*—
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Seamans, Robert C., Jr. 3,383,922.
Loughlin, Bernard D., to Hazeltine Research, Inc. Chrominance signal processing apparatus. 3,397,281, 8–13–68, Cl. 178—5.4.
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Chambliss, Keith W., Weiss, Loughman, Adams, and Beeny. 3,415,361.
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Louik, Leonard. Wheel structures. 3,387,894, 6–11–68, Cl. 301—63.
Louis, Arnold S., to Markite Corp. Potentiometer resistance device employing conductive plastic and a parallel resistance. 3,393,390, 7–16–68, Cl. 338—9.
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Louis, John R.: *See*—
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Loukes, David G., to Pilkington Brothers Ltd. Method and apparatus for inhibiting the flow of impurities of a molten bath to the glass sheet thereon. 3,395,996, 8–6–68, Cl. 65—27.
Louks, Robert A.: *See*—
Sietmann, Vernon H., and Louks. 3,363,171.
Louks, Robert A. Apparatus for treating granular material. 3,416,239, 12–17–68, Cl. 34—211.
Louks, Robert A., and V. H. Sietmann. Livestock automatic watering device. 3,371,652, 3–5–68, Cl. 119—51.11.
Louks, Theodric W., and R. E. McLin, to Mid-Continent Mfg. Co. Thermometer assembly. 3,396,582, 8–13–68, Cl. 73—376.
Loun, Bohuslav, M. Martinek, J. Sob, and I. Zelinka, to Výzkumný ústav matematických strojů. Device for continuous digital incremental control of the relative position of moving parts. 3,402,284, 9–17–68, Cl. 235—151.11.

Loung, Pai Y. Furnace for refractory metals. 3,368,021, 2-6-68, Cl. 13—23.

Lounsbury, Lavergne I. Adjustable basketball backboard bracket structure. 3,414,262, 12-3-68, Cl. 273—1.5.

Lourenco, Anthony L.: *See*—
Starkey, Orval R. 3,365,866.
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Lourie, Alan D.: *See*—
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Lourigan, George H., and C. A. Dupraz, to Union Carbide Corp. Magnesium fluoborate as cellulose-carbamate reaction catalyst. 3,369,858, 2-20-68, Cl. 8—116.3.

Lousberg, Hubert J. G. Mattress of novel shape. 3,378,861. 4-23-68, Cl. 5—345.

Louth, Noel, to John Bull Rubber Co. Ltd. Apparatus for manufacturing corrugated or convoluted hose. 3,371,381, 3-5-68, Cl. 18—19.

Louthan, Rector P., to Phillips Petroleum Co. Preparation of dithiols. 3,384,671, 5-21-68, Cl. 260—609.

Louthan, Rector P., to Phillips Petroleum Co. Process for production of diaryl and di(alkaryl) sulfides. 3,397,244, 8-13-68, Cl. 260—609.

Louthan, Rector P., to Phillips Petroleum Co. Thiol and/or sulfide derivatives of 1,2-bis (3-cyclohexen-1-yl) ethylenes. 3,413,355, 11-26-68, Cl. 260—609.

Louthan, Rector P., to Phillips Petroleum Co. Production of thiol compounds. 3,415,889, 12-10-68, Cl. 260—609.

Louvel, Bernard, and M. Lacoste, to Societe Nationale des Petrole d' Aquitaine. Sequential programmers for automatic decompression. 3,415,247, 12-10-68, Cl. 128—204.

Louw, Robert, to Shell Oil Co. Preparation of primary chlorides. 3,410,917, 11-12-68, Cl. 260—658.

Loux, Harvey M., to E. I. du Pont de Nemours and Co. Method for the control of undesirable vegetation with 3,5,6-substituted uracils. 3,374,083, 3-19-68, Cl. 71—92.

Loux, Harvey M., to E. I du Pont de Nemours and Co. Herbicidal method. 3,397,050, 8-13-68, Cl. 71—92.

Loux, Harvey M., to E. I. du Pont de Nemours and Co. Herbicidal method. 3,406,023, 10-15-68, Cl. 71—92.

Lovas, Stephen P., and G. S. Di Monico, to Royal Packaging Equipment Inc. Method and apparatus for forming fill receiving pockets in webs. 3,394,208, 7-23-68, Cl. 264—92.

Love, Budd D. Fluid dispenser for automotive use. 3,411,552, 11-19-68, Cl. 141—198.

Love, Doris: *See*—
Eckert, George W., and Love. 3,416,903.

Love, Douglas S., to The Express Injector Co. Ltd. Protecting holders. 3,399,759, 9-3-68, Cl. 206—1.

Love, Douglas S., to The Express Injector Co. Ltd. Ampoule for use with a needleless hypodermic injector. 3,419,007, 12-31-68, Cl. 128—272.

Love, Frank E., to National Lead Co. Electrolytic production of magnesium metal from a fluoride-free bath. 3,389,062, 6-18-68, Cl. 204—70.

Love, Frank E., to National Lead Co. Continuous process for producing magnesium metal from magnesium chloride including fused bath electrolysis. 3,418,223, 12-24-68, Cl. 204—70.

Love, Gordon D.: *See*—
Rothman, Nathan, and Love. 3,362,689.

Love, Herbert W., 50% to W. A. Wilson. Friction heat generator. 3,402,702, 9-24-68, Cl. 122—26.

Love, John. Wheel alignment testing devices. 3,363,322, 1-16-68, Cl. 33—203.14.

Love, Kenneth E., and C. L. Moulton, to True-Grade, Inc. Method and apparatus for orienting, aligning and conveying tobacco leaves. 3,368,568, 2-13-68, Cl. 131—149.

Love, Kenneth E., R. C. Morwood, and J. P. Polese, to Varian Associates. Electron tube and circuitry apparatus matched for low RF losses. 3,393,340, 7-16-68, Cl. 313—283.

Love, Mahlon L., to Deere & Co. Variable speed drive. 3,375,738, 4-2-68, Cl. 74—740.

Love, Richard B. Oscillatable and laterally shiftable drive axles provided with steerable wheels. 3,370,670, 2-27-68, Cl. 180—79.2.

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Love, William D., Jr., and M. J. Billings, to Haveg Industries, Inc. Joint connection. 3,389,923, 6-25-68, Cl. 285—321.

Loveday, Harry W.: *See*—
Whittaker, Jack D., Loveday, Barbour, Tweedle, and Dryden. 3,395,458.

Lovegreen, Harold A., to Christy Concrete Products, Inc. Frangible concrete receptacle. 3,385,012, 5-28-68, Cl. 52—21.

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Lovejoy, Charles K., to Scripto, Inc. Burner valve with impinging means. 3,397,029, 8-13-68, Cl. 431—152.

Lovejoy, Charles K. Burner valve. 3,401,001, 9-10-68, Cl. 431—344.

Lovejoy, Eugene F.: *See*—
Wallace, Donald A., Kelley, Garber, Bottorff, and Lovejoy. 3,379,067.

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Lovejoy, Robert E., C. M. Osburn, and J. Zdanys, Jr., to CTS Corp. Variable resistance control. 3,412,361, 11-19-68, Cl. 338—176.

Lovekin, Barry W., to Wilkinson Sword Ltd. Apparatus for electrolytically sharpening the edges of a continuous strip. 3,399,130, 8-27-68, Cl. 204—206.

Lovelace, Byron K.: *See*—
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Lovelace, Donald E., and B. A. Shoor, to Endevco Corporation. Accelerometer. 3,363,471, 1-16-68, Cl. 73—517.

Lovelace, Ralph E., to United Aircraft Corp. Stabilized direct-coupled push-pull amplifier. 3,371,286, 2-27-68, Cl. 330—123.

Loveland, Burnham C., and M. A. Rowe, to K. & R. Industries, Inc. Spinning float and reciprocating drive for concrete finishing machines. 3,382,784, 5-14-68, Cl. 94—45.

Loveland, Chester L., to U.S. Textile Machine Co. Yarn twisting apparatus. 3,373,557, 3-19-68, Cl. 57—119.

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Myatt, Edward R., and Loveland. 3,388,355.
Myatt, Edward R., Jr., and Loveland. 3,388,356.

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Loveland, Winton: *See*—
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Loveland, Winton, and S. Warshaw, to The Loveshaw Corp. Automatic carton closing machine. Re. 26,440, 8-13-68, Cl. 53—75.

Loveland, Winton, and S. Warshaw, to The Loveshaw Corp. Carton clamping and guiding means in an automatic carton closing machine. 3,382,645, 5-14-68, Cl. 53—75.

Loveless, Frederick C.: *See*—
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Miller, Robert, Loveless, and Farber. 3,361,843.

Loveless, Frederick C., to Uniroyal, Inc. Process of copolymerizing olefins utilizing vanadium oxytrichloride, alkyl aluminum sesquihalide and sulfur as the catalyst. 3,377,325, 4-9-68, Cl. 260—80.78.

Loveless, Frederick C., R. J. Kelly, and D. N. Matthews, to Uniroyal, Inc. Process for copolymerizing olefins utilizing vanadium oxytrichloride, alkyl aluminum sesquichloride phosphorus trichloride and 2-nitro-propane as catalyst. 3,377,326, 4-9-68, Cl. 260—80.78.

Loveless, Gerald F. Suspension for a vibratory conveyor. 3,365,054, 1-23-68, Cl. 198—220.

Loveless, Marion W. Closure for large diameter opening of a pressure vessel. 3,386,206, 6-4-68, Cl. 49—221.

Loveless, Marion W. Canning retort. 3,417,881, 12-24-68, Cl. 214—17.

Loveless, Marion W. Lid for canning retort. 3,417,896, 12-24-68, Cl. 220—41.

Loveless, Stanley M., to General Gas Light Co. Pneumatic counting device. 3,364,945, 1-23-68, Cl. 137—624.11.

Lovelett, William C., to CF & I Steel Corp. Tension control apparatus. 3,397,721, 8-20-68, Cl. 140—147.

Lovell, Alfred G., to United Shoe Machinery Corp. Article stringing machines. 3,370,558, 2-27-68, Cl. 112—104.

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Lovell, Lyle M., and E. R. Strong, to Standard Oil Co. Isomerization of xylene isomers. 3,381,048, 4-30-68, Cl. 260—668.

Lovely, William S.: *See*—
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Lovercheck, Charles L.: *See*—
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Lovercheck, Charles L. Towing arrangement for airplanes. 3,367,285, 2-6-68, Cl. 104—173.

Lovercheck, Charles L. Coupling for connecting two or more engines. 3,370,484, 2-27-68, Cl. 74—661.

Lovercheck, Charles L. Applicator-reservoir drum including means to convey particulate coating material. 3,379,169, 4-23-68, Cl. 118—258.

Lovercheck, Charles L. Polish can and dauber. 3,379,492, 4-23-68, Cl. 401—130.

Lovercheck, Lawrence R. Heat producing device. 3,369,104, 2-13-68, Cl. 219—268.

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Loveland, Winton, and Warshaw. 3,382,645.
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Lovett, Gordon H., to Monsanto Co. Purification of olefinically unsaturated nitriles by water extractive distillation. 3,399,120, 8-27-68, Cl. 203—84.

Lovett, John R.: *See*—
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Lovett, John R., to Esso Research and Engineering Co. Hydrazine nitroform and method of preparation. 3,378,594. 4-16-68, Cl. 260—644.

Lovett, John R., and T. M. Rosenblatt, to Esso Research and Engineering Co. Oxygen catalyzed production of tetrafluorohydrazine. 3,376,108, 4-2-68, Cl. 23—205.

Lovett, John R., and A. J. Passannante, to Esso Research and Engineering Co. Alkyleneamine polymers containing nitroformate groups. 3,401,156, 9–10–68, Cl. 260—89.7.
Lovett, Richard E., to National-Standard Co. Method of making filter media. 3,388,448, 6–18–68, Cl. 29—163.5.
Lovett, Richard E., to National-Standard Co. Wire filter media. 3,388,805, 6–18–68, Cl. 210—499.
Lovette, Henry H. Body supporting units of sleeping or reclining furniture or equipment. 3,370,306, 2–27–68, Cl. 5—327.
Loving, George L., and W. P. Lestoque, to The American-Coleman Co. Integrated tractor and trailer of the separable type. 3,411,600, 11–19–68, Cl. 180—14.
Lovinger, Daniel, and F. P. Eppert, to General Electric Co. Ballast transformer system for lamps. 3,400,299, 9–3–68, Cl. 315—97.
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Hardin, James T., and Lovrenich. 3,388,267.
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Lovullo, Patrick R., and G. T. Sowinski, to National Gypsum Co. Imitation ceiling beam attachment clip. 3,387,872, 6–11–68, Cl. 278—189.35.
Low, Donald D., to United States of America, Atomic Energy Commission. Fail-safe alarm system. 3,396,375, 8–6–68, Cl. 340—236.
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Lowdermilk, Marvin J., F. A. Herbsleb, and F. C. Arrison, to Electro-Nite Co. Molten material sampling apparatus and method. 3,369,406, 2–20–68, Cl. 73—425.6.
Lowe, Arnold J., E. F. Chandley, and L. Molinario, to Lankro Chemicals Ltd. Polyethers and polyurethanes obtained therefrom. 3,380,967, 4–30–68, Cl. 260—77.5.
Lowe, Arthur: *See*—
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Lowe, Estel G. Continuous turning slip ring assembly. 3,375,479, 3–26–68, Cl. 339—5.
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Lowe, James M. Cable tension indicator device. 3,410,246, 11–12–68, Cl. 116—114.
Lowe, James N., P. Reyntiens, and D. Kirby; said Lowe assor. to said Reyntiens and said Kirby. Method of making a translucent panel. 3,381,066, 4–30–68, Cl. 264—71.
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Lowe, John C., deceased, by N. J. Larsen, administratrix, to Broadway Research and Development Corp. Method and apparatus for incinerating waste material. 3,362,360, 1–9–68, Cl. 110—7.
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Lowery, Carl J., and B. B. Williams, to Texas Instruments Inc. Method for fabricating electrically isolated semiconductor devices in integrated circuits. 3,370,995, 2–27–68, Cl. 148—175.
Lowery, Earnest E. Blackboard drafting implements. 3,378,927, 4–23–68, Cl. 33—26.
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Lowes, Fred J., to The Dow Chemical Co. Device for the generation of surfaces of revolution. 3,372,430, 3–12–68, Cl. 18—5.
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Lowes, Fred J., to The Dow Chemical Co. Apparatus for the preparation of elliptical structures. 3,376,602, 4–9–68, Cl. 18—5.
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Lubowitz, Hyman R., C. J. Rogers, and R. A. Lynch, to United States of America, Air Force. Polyurethane elastomer. 3,370,996, 2–27–68, Cl. 149—20.

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Lucarelli, Frank J. 17½% to W. F. Pinsak, and 12½% to J. S. Hogan. Metered bottle cap remover and retainer. 3,412,634, 11–26–68, Cl. 81—3.1.

Lucas, Arnold L., and W. S. Franczek. Fire alarm. 3,391,402, 7–2–68, Cl. 340—227.1.

Lucas, Douglas H. Granular flow stimulating devices. 3,366,282, 1–30–68, Cl. 222—195.

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Lucas, Howard R., and R. R. Di Leone, to American Cyanamid Co. 1-naphthalene-propionic acid, 4 carboxyl-a,4-bis (carboxymethyl)-1,2,3,4,-tetrahydro-,4,4a,1 dianhydride. 3,373,171, 3–12–68, Cl. 260—346.8.

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Hill, William F. 3,417,310.
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Ifield, Kenneth J. and W. R. 3,384,019.
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Lawrence, Owen N. 3,399,530.
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Sheldon, Robert C. 3,413,714.
Skinner, Robert T. J. 3,399,625.
Skinner, Robert T. J. 3,399,626.
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Lucas, Louis, to North American Philips Co., Inc. High-voltage semiconductor diode with ceramic envelope. 3,419,762, 12–31–68, Cl. 317—234.

Lucas, Luther R., and R. M. Reimers to United States of America, Atomic Energy Commission. Preheater for diffusion pump. 3,391,857, 7–9–68, Cl. 230—101.

Lucas, Malcolm B., to The Procter & Gamble Co. Pouring fitment. 3,369,710, 2–20–68, Cl. 222—109.

Lucas, Malcolm B., to The Procter & Gamble Co. Tear tape for plastic packaging materials. 3,396,900, 8–13–68, Cl. 229—51.

Lucas, Malcolm B., to The Proctor & Gamble Co. Delayed opening dispenser. 3,399,806, 9–3–68, Cl. 222—545.

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Lucas, Paul G., to Adage, Inc. Polarity responsive comparator circuit for simultaneous analog-digital converters using a tunnel diode. 3,406,297, 10–15–68, Cl. 307—235.

Lucas, Pierre M. Co-ordinate selection switches. 3,373,384, 3–12–68, Cl. 335—112.

Lucas, Pierre M., J. F. Duquesne, and G. P. Lagreze. Selective access device for centralized telephone switching systems. 3,365,548, 1–23–68, Cl. 179—18.
Lucas, Pierre M., J. F. Duquesne, J. J. Nuttal, and J.-P. L. Berger. Error detecting circuits for telephone register and sender apparatus. 3,385,931, 5–28–68, Cl. 179—18.
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Lucia, Robert E. Measuring attachment for chain saws. 3,364,580, 1–23–68. Cl. 33—185.
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Lucien, René, to Recherches Etudes Production R.E.P. Control device for two hydraulic power devices which are adapted for being coupled in parallel. 3,366,014, 1–30–68, Cl. 91—152.
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Luckenbaugh, Raymond W., to E. I. du Pont de Nemours and Co. Method for controlling growth of seedling weed grasses. 3,385,693, 5–28–68, Cl. 71—120.
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Luckey, Heribert, and F. Winkelmann. Curtain runner holding device. 3,396,834, 8–13–68, Cl. 206—46.
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Lucky, Robert W., to Bell Telephone Laboratories, Inc. Automatic equalizer for analog channels having means for comparing two test pulses, one pulse traversing the transmission channel and equalizer. 3,375,473, 3–26–68, Cl. 333—18.
Lucky, Robert W., to Bell Telephone Laboratories, Inc. Digital adaptive equalizer system. 3,414,819, 12–3–68, Cl. 325—42.
Lucky, Robert W., to Bell Telephone Laboratories, Inc. Automatic equalizer for digital transmission systems utilizing error control information. 3,414,845, 12–3–68, Cl. 333—18.
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Luders, Walter: *See*—
Messwarb, Gunter, Luders, Erdmann, and Steppan. 3,417,-051.
Messwarb, Gunter, Luders, Munder, Ruckert, and Steppan. 3,409,593.
Messwarb, Gunter, Luders, Munder, and Steppan. 3,417,-052.
Ludewig, Frederick A., Jr., to General Electric Co. Optical magnetometer base on the principle of frustrated total internal reflection of light. 3,412,324, 11–19–68, Cl. 324—43.
Ludewig, Heinz A.: *See*—
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Ludewig, Hermann, to Veb Chemiefaserwerk Schwarza "Wilhelm Pieck." Apparatus for the continuous polymerization of monomeric synthetics. 3,368,874, 2–13–68, Cl. 23—283.
Ludi & Cie, A.G.: *See*—
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Ludington, Ralph S., to Hooker Chemical Corp. Process for preparing a phosphonated polyester resin. 3,400,102, 9–3–68, Cl. 260—75.
Ludington, Robert L.: *See*—
Roselius, Charles F., and Pelikan. 3,372,779.
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Ludkvist, Karl A., to Telefonaktiebolaget L M Ericsson. Electromagnetic telephone relay. 3,369,206, 2–13–68, Cl. 335—273.

Ludloff, Wolfgang, to Gesellschaft fur Multibitzgerate, Dr. Ing. D. A. Mannesmann m.b.H. Device for photographic exposure, preferably for enlargers. 3,397,612, 8–20–68, Cl. 88—24.
Ludlow, Thomas B., to Bemis Co., Inc. Multi-ply bag. 3,365,-116, 1–23–68, Cl. 229—55.
Ludlow Typograph Co.: *See*—
Higgason, Frank G., Jr. 3,368,470.
Ludt, William C.: *See*—
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Ludvigsen, Leonard E., and W. J. Opocensky, to General Precision Systems Inc. Multiple input servo motor control system. 3,366,859, 1–30–68, Cl. 318—19.
Ludwig, Arthur L., to Hastings Mfg. Co. Windshield wiper arms. 3,366,989, 2–6–68, Cl. 15—250.2.
Ludwig, Bernard J.: *See*—
Stiefel, Frank J., Ludwig, and Berger. 3,400,125.
Ludwig, Carl, to McDowell-Wellman Engineering Co. Bucket chain conveyor. 3,387,721, 6–11–68, Cl. 214—14.
Ludwig Drum Co.: *See*—
Ludwig, William F. Re. 26,415.
Ludwig, Earl A., to Kelsey-Hayes Co. Integral hub and brake disk. 3,393,776, 7–23–68, Cl. 188—218.
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Lissant, Kenneth J., and Ludwig. 3,382,178.
Ludwig, Heinz: *See*—
Heyl, Gerhard, Luttgens, Reich, Schmitz, and Ludwig. 3,385,264.
Ludwig, Herbert. Injection apparatus with pressure regulation. 3,371,386, 3–5–68, Cl. 18—30.
Ludwig, Herbert. Mold assembly with composite sole plate for double injection. 3,374,504, 3–26–68, Cl. 18—42.
Ludwig, Herbert. Injection molding apparatus for articles, especially footwear. 3,400,429, 9–10–68, Cl. 18—30.
Ludwig, Herbert, F. Koch, and H. Lowe, executors of the estate of H. Ludwig, deceased, assignors to Desma-Werke Gesellschaft mit beschrankter Haftung. Footwear having a unitary molded structure. 3,412,486, 11–26–68, Cl. 36—4.
Ludwig, Howard C., to Westinghouse Electric Corp. High intensity radiation source comprising rotating arc. 3,378,-713, 4–16–68, Cl. 313—32.
Ludwig, Milton: *See*—
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Ludwig, Milton, to Chevron Research Co. Desalting of saline waters. 3,394,055, 7–23–68, Cl. 203—10.
Ludwig, Milton, to Chevron Research Co. Relief valve system for vessels undergoing intermittent explosions. 3,417,776, 12–24–68, Cl. 137—512.5.
Ludwig, Walter, to Pentapco, Inc. Methods using one equipment for bubble-packaging differently-sized articles. 3,406,-492, 10–22–68, Cl. 53—30.
Ludwig, Walter D., to Mac Valves, Inc. Means for converting linear motion to reciprocating motion. 3,364,758, 1–23–68, Cl. 74—99.
Ludwig, Walter D., to MAC Valves, Inc. Four-way valve. 3,410,309, 11–12–68, Cl. 137—625.66.
Ludwig, Walter F., to The Garrett Corp. Fluid coupling. 3,375,663, 4–2–68, Cl. 60—54.
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Luebkeman, George C. Binocular rib sight. 3,386,171, 6–4–68, Cl. 33—47.
Luebkeman, George C. Support base for earth anchorage. 3,406,937, 10–22–68, Cl. 248—346.
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Lueck, Arthur M., to Sylvania Electric Products Inc. Film thickness monitoring apparatus. 3,400,687, 9–10–68, Cl. 118—9.
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Lueddeke, Raymond P. and L., to Eastern Target Co., Inc. Disc stacking machine organization. 3,388,816, 6–18–68, Cl. 214—6.
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Lueders, Willi H., to Landis Tool Co. Spindle bearings. 3,385,-009, 5–28–68, Cl. 51—168.
Luedtke, Roy H. Metal window construction. 3,403,490, 10–1–68, Cl. 52—213.
Luehring, Elmer L., and H. C. Kaplan, to Joslyn Mfg. and Supply Co. High energy supply and interlocking for plural solenoids. 3,366,848, 1–30–68, Cl. 317—151.
Luehrmann, William H., C. O. Berglund, and W. H. Parker, to Teledyne Industries, Inc. Method and apparatus for generating an underwater acoustic impulse. 3,369,217, 2–13–68, Cl. 340—7.
Luehrmann, William H., and W. H. Parker, to Teledyne Industries, Inc. Metallized plasma path source. 3,369,218, 2–13–68, Cl. 340—12.
Luehrmann, William H., and W. H. Parker, to Teledyne Industries, Inc. Marine seismic array depth control. 3,398,394, 8–20–68, Cl. 340—7.
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Luehrs, Hans J., to The Cottrell Co. Stacker with horizontal packer box and vertically disposed signatures. 3,378,258, 5–16–68, Cl. 271—89.
Luehrs, Hans J., to The Cottrell Co. Plate lockup means for offset or wraparound printing presses. 3,382,799, 5–14–68, Cl. 101—415.1.
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Luethi, Christian, H. R. Biland, M. Schellenbaum, and M. Duennenberger, to Ciba Ltd. Heterocyclically substituted monohalogeno-1,3,5-triazines. 3,407,201, 10–22–68, Cl. 260—248.
Luethi, Christian, H. R. Biland, and M. Duennenberger, to Ciba Ltd. Hydroxybenzophenones containing sulfonic acid groups. 3,415,875, 12–10–68, Cl. 260—511.
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Luff, Rudolf. Combined ski file and camber block. 3,391,946, 7–9–68, Cl. 280—11.37.
Luft, Ludwig. Closed loop control apparatus. 3,413,484, 11–26–68, Cl. 307—38.
Luftglass, Murray A., and J. E. McClary, to Shell Oil Co. of New York, N. Y. Coloring of polystyrene. 3,413,249, 11–26–68, Cl. 260—23.
Luger, George W., to Hart-Carter Co. Vibratory conveyor. 3,380,572, 4–30–68, Cl. 198—220.
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Luger, Ormond L. and R. L., Jr. 3,372,408.
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Luger, Ormond L. and R. J., Jr., to Luger Industries, Inc. Sectional boat structure. 3,372,408, 3–12–68, Cl. 9—6.
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Luglewicz, Robert C., to Cubb-Pac Corp. Methods and apparatus for processing meat or the like. 3,414,936, 12–10–68, Cl. 17—40.
Luginbuhl, Pierre, to Schweizerische Industrie-Gesellschaft. Apparatus for separating and transferring objects. 3,393,-813, 7–23–68, Cl. 214—8.5.
Lugli, Giuseppe. Pirelli S.p.A. Pneumatic tire and removable tread therefor. Re. 26,464, 9–24–68, Cl. 152—176.
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Luigi, Goglio. Heat sealable bags. 3,381,886, 5–7–68, Cl. 229—57.
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Luijt, Hermanus N. Brake-accelerator device. 3,386,541, 6–4–68, Cl. 192—3.
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Lukach, Carl A., and H. M. Spurlin, to Hercules Inc. Preparation of α-olefin polymers in finely divided form. 3,397,-195, 8–13–68, Cl 260—93.7.
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Lukasiewicz, Andre: *See*—
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Luke, Manuel. Storm shutter for awning windows. 3,392,486, 7-16-68, Cl. 49—62.
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Lukes, Joseph A., to Hewlett-Packard Co. Nondestructive round-off display circuit. 3,388,385, 6-11-68, Cl. 340—172.5.
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Luketa, Frank J. Quantity measurement of fish in a trawl net. 3,366,969, 1-30-68, Cl. 43—9.
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Lukianov, Roman, to Honeywell Inc. Data processing apparatus employing permanent magnet inhibiting means. 3,407,396, 10-22-68, Cl. 340—174.
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Bogart, Marcel J. P. 3,393,250.
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Costello, Daniel E. 3,383,870.
Dorn, Rolf K. 3,416,598.
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Guerrieri, Salvatore A. 3,370,361.
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Lumpp, Henry M. J. G. Diaphragm carrying systems. 3,414,235, 12-3-68, Cl. 251—331.
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Lund, Johan, and R. R. Mitchell, to General Motors Corp. Voltage regulator. 3,376,496, 4-2-68, Cl. 322—28.
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Lund, Richard B., A. C. Pierce, and E. Turi, to Allied Chemical Corp. Stabilized halogen-containing olefin polymer compositions and stabilizer therefor. 3,367,906, 2-6-68, Cl. 260—45.7.
Lund, Richard B., A. C. Pierce, E. Turi, and H. J. Oswald, to Allied Chemical Corp. Curing halogenated polyolefins. 3,379,707, 4-23-68, Cl. 260—94.9.
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Lundberg, Ronald E., and F. J. Wegrzyn, to E. I. du Pont de Nemours and Co. Method and apparatus for applying continuous lengths of polymeric film to the sides of a rigid substrate. 3,375,152, 3-26-68, Cl. 156—212.
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Lundin, Robert S., to General Times Corp. Voltage-controlled adjustable counter. 3,376,410, 4–2–68, Cl. 235—92.

Lundin, Robert S., to General Time Corp. Incompatible modulus counting device. 3,390,254, 6–25–68, Cl. 235—92.

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Lunig, Hermann K., to Demag Elektrometallurgie G.m.b.H. Electric arc furnace with iron core choke means on electrode supply conductors. 3,414,656, 12–3–68, Cl. 13—9.

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Luning, Alfred O., T. E. Moore, and C. D. Charleston, to United States of America, Army. Telescopic eyepiece assembly with shutter means. 3,390,931, 7–2–68, Cl. 350—57.

Lunn, Lawrence M., J. L. Shields, and J. C. DeVault, to Cornell-Dubilier Electric Corp. Selective remote position control servosystem. Re. 26,404, 6–11–68, Cl. 318—29.

Lunsford, Carl D., to A. H. Robins Co., Inc. Analgesic and anti-inflammatory methods and compositions. 3,402,244, 9–17–68, Cl. 424—274.

Lunsford, Carl D., and A. D. Cale, Jr., to A. H. Robins Co., Inc. 1,3-disubstituted-4-(2-aminoethyl)-2-imidazolidinones. 3,365,450, 1–23–68, Cl. 260—247.2.

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Lunt, Wilbur B., and R. E. Kraft, to United States of America, Navy. Inductive-kick suppression solenoid. 3,380,008, 4–23–68, Cl. 336—73.

Lunzer, Frederic A., to Ideal Toy Corp. Track intersection unit. 3,367,284, 2–6–68, Cl. 104—60.

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Luscher, Jakob, to Societe Suisse Pour L'Industrie Horlogere S.A. Transistor capacitor integrated circuit structure. 3,383,570, 5–14–68, Cl. 217—235.

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Luscombe, Arthur J. Power transmission system for tractor powered implements. 3,389,609, 6–25–68, Cl. 74—15.2.

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Lusher, Kenneth G., and L. J. Wells, to Owens-Illinois Glass Co. Intaglio printing from stencil wrapped about cylinder. 3,368,482, 2–13–68, Cl. 101—153.

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Dym, Herbert, and Lynch. 3,400,272.

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MS Industries, Inc.: *See*—
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Macjutenko, Ilya N.: *See*—
Vinogradov, Alexandr S., Kapustin, Maxjutenko, Kiselnikov, Borisov, and Mazalov. 3,405,427.
Mack, Charles D., to Varian Associates. High frequency electron discharge devices of the klystron type incorporating below cut-off waveguide leaky wall H-field tuners. 3,390,-300, 6–25–68, Cl. 315—5.21.
Mack, Donald E.: *See*—
Lentz, Norman E., and Mack. 3,381,088.
Mack, Frank J.: *See*—
Knight, Francis J., and Mack. 3,415,425.
Mack, Gerry P., to M & T Chemicals Inc. Dihydrocarbon tin mercaptides. 3,410,884, 11–12–68, Cl. 260—429.7.
Mack, Grant V.: *See*—
Hightower, Ross T., and Mack. 3,411,697.
Mack, Heinrich, Nachf: *See*—
Zahn, Rudolf K. 3,391,131.
Mack, Jean-Louis G., to Societe de Prospection Electrique Schlumberger, S.A. Galvanometer suspension assembly having a simplified center of gravity, buoyancy and centerline adjustment. 3,416,085, 12–10–68, Cl. 324—154.
Mack, John C., to The Boeing Co. Shaft seal. 3,399,370, 8–27–68. Cl 339—8.
Mack, Jules A., and K. C. Tompers, to Superior Continental Corp. Terminal device for wire or cable facilities. 3,404,-212, 10–1–68, Cl. 174—38.
Mack, Julian E., D. P. McNutt, and F. L. Roesler, to Design, Inc. Interferrometric spectrometer utilizing three Fabry-Perot etalons in series. 3,373,651, 3–19–68, Cl. 88—14.
Mack, Richard G. Foldable and adjustable vent. 3,380,370, 4–30–68, Cl. 98—37.
Mack Trucks, Inc.: *See*—
Claar, Paul W. 3,367,691.
May, Walter M. 3,366,211.
Pelizzoni, Winton J. 3,368,761.
Soper, Guy E. 3,371,552.
Webster, Robert M. 3,366,210.
Mack-Wayne Plastics Co.: *See*—
McIntosh, Roland B. 3,393,818.
Mack, William V., to William V. Mack, Inc. Adjustable extension-handle. 3,404,427, 10–8–68, Cl. 16—114.
Mack, William V., Inc.: *See*—
Mack, William V. 3,404,427.
Mackal, Henry H., and A. Bogossian, to Halkey-Roberts Corp. Oral inflation valve. 3,396,743, 8–13–68, Cl. 137—223.
MacKay, Alden J., to Baxter Woolen Co., Inc. Splash yarn. 3,374,506, 3–26–68, Cl. 19—99.
MacKay, Ian N., to Canadian General Electric Co. Ltd. Control system for large reactors. 3,406,091, 10–15–68, Cl. 176—28.
MacKay, James K. L.: *See*—
Clchy, Daniel R., Denniston, and MacKay. 3,369,781.
MacKay, Robert H.: *See*—
Rhoads, Delmar D., and MacKay. 3,402,923.
MacKay, Robert H., to Lincoln Mfg. Co., Inc. Drive for rotating drum. 3,362,686, 1–9–68, Cl. 254—186.
MacKay, Robert H., to Lincoln Mfg. Co., Inc. Drive for rotating drum. 3,376,758, 4–9–68, Cl. 74—421.
MacKay, Robert H., to Lincoln Mfg. Co., Inc. Dispensing apparatus. 3,388,677, 6–18–68, Cl. 108—136.
MacKay, Robert H., to Lincoln Mfg. Co. Sealed and removable electrical heater assembly. 3,395,267, 7–30–68, Cl. 219—544.
MacKay, Robert H., to Lincoln Mfg. Co. Vertically moving cantilever platform. 3,411,464, 11–19–68, Cl. 108—136.
Mackay, William B. F., and R. O. Carson. High speed tool steel. 3,388,986, 6–18–68, Cl. 75—126.
Mackenzie, Benjamin, to Driver Southall Ltd. Magnetic-pneumatic controlled discharge valve. 3,379,267, 4–23–68, Cl. 177—110.
Mackenzie, Benjamin, and A. W. Forman, to Driver Southall Ltd. Automatic weigher with rapping means to aid discharge of materials. 3,400,775, 9–10–68, Cl. 177—113.
MacKenzie, Fred T., and H. J. Tabbut, to United Shoe Machinery Corp. Machines for operating on shoe parts. 3,399,-410, 9–3–68, Cl. 12—1.
Mackenzie, Ian H., to Barr and Stroud Ltd. Boiler liquid level indicator. 3,370,469, 2–27–68, Cl. 73—331.
MacKenzie, James C., and A. Orzechowski, to Cabot Corp. Process for producing copolymers with inorganic solid polymerization catalysts. 3,365,432, 1–23–68, Cl. 260—82.5.
MacKenzie, James S.: *See*—
Fox, William B., Eibeck, and MacKenzie. 3,394,998.
Fox, William B., and MacKenzie. 3,392,099.
MacKenzie, John D., to General Electric Co. Method for making thin film glass elements. 3,378,362, 4–16–68, Cl. 65—21.
MacKenzie, Malcolm, Jr., and R. J. Martin, Jr., to E. I. du Pont de Nemours and Co. Process of treating fabrics to render them oil and water repellent. 3,365,329, 1–23–68, Cl. 117—161.
MacKenzie, Robert P., and W. D. Worrell, to General Motors Corp. Transistorized electrolyte level indicator. 3,416,131, 12–10–68, Cl. 340—59.
MacKew, James. Dental floss holder. 3,387,615, 6–11–68, Cl. 132—91.
Mackey, Donald G., to Sylvania Electric Products Inc. Component locating device. 3,410,955, 11–12–68, Cl. 178—7.8.
Mackey, Kenneth J., to The Torit Corp. Dust collector. 3,387,-433, 6–11–68, Cl. 55—356.
Mackey, Richard C.: *See*—
Witte, Robert S., and Mackey. 3,390,268.
Mackey, Wallace R., T. C. Brown, and G. A. Morgheim. Coupling assembly. 3,409,045, 11–5–68, Cl. 137—614.04.
Mackie, David, and L. T. O'Connor, Jr., to International Business Machines Corp. Communication switching adapter. 3,362,015, 1–2–68, Cl. 340—172.5.
Mackie, Edwin J., and G. H. Lovett, to Monsanto Co. Polymerization of ethylene. 3,373,148, 3–12–68, Cl. 260—87.3.
Mackie, Harry A., to General Motors Corp. Self-modulating flexible choke air bearing. 3,375,893, 4–2–68, Cl. 180—124.
Mackie, James, & Sons Ltd.: *See*—
Hill, Moore. 3,371,879.
Mackie John K. P. 3,366,340.
Mackie, John K. P. 3,385,533.
Mackie, John P. 3,362,152.
Mackie, John K. P., to James Mackie & Sons, Ltd. Textile winding machines. 3,366,340, 1–30–68, Cl. 242—18.
Mackie, John K. P., to James Mackie & Sons Ltd. Winding mechanisms. 3,385,533, 5–28–68, Cl. 242—54.4.
Mackie, John P., to James Mackie & Sons. Traveller. 3,362,152, 1–9–68, Cl. 57—125.
Mackiewicz, Czeslaw, and J. Pistey, to Harvey Hubbell, Inc. Electric illuminating light dimmer control unit. 3,385,944, 5–28–68, Cl. 200—167.
MacKinney, Paul M. Moving events display device. 3,413,-630, 11–26–68, Cl. 340—309.1.
Mackintosh, Ian M., to Westinghouse Electric Corp. Method of making P-N junction devices by diffusion. 3,391,035, 7–2–68, Cl. 148—187.
Mackiw, Vladimir N.: *See*—
Evans, David J. I., Kunda, Hancock, and Mackiw. 3,399,050.
Zubryckyj, Nicolas, Evand, and Mackiw. 3,367,740.
Macklem, F. Sutherland, to Equipment Development Corp. Electrophotographic printing apparatus. 3,396,645, 8–13–68, Cl. 95—1.7.
Mackles, Leonard, to The Drackett Co. Wax composition and method for making the same. 3,395,028, 7–30–68, Cl. 106—8.
Macklin, Martin R., to TRW Inc. Waste combustion and water recovery system. 3,372,989, 3–12–68, Cl. 23—204.
Macklin, Martin R., to TRW Inc. Electrolytic process for concentrating carbon dioxide. 3,401,100, 9–10–68, Cl. 204—103.
Macknick, Albert J., to United States Steel Corp. Take-up block arrangement. 3,415,460, 12–10–68, Cl. 242—84.
Macko, Edward: *See*—
Loev, Bernard, and Macko. 3,377,246.
Mackowski, Wieslow D.: *See*—
Smith, William G. 3,385,105.
Mackrle, Svatopluk and V., O. Dracka, F. Halamek, L. Paseka, and P. Polasek, to Ceskoslovenska akademie ved. Method and apparatus for the biological processing of liquids. 3,398,089, 8–20–68, Cl. 210—7.
Mackrle, Svatopluk and V., O. Dracka, V. Selzer, and B. Halamek, to Ceskoslovenska' akademie ved. Method and device for separation of a suspension. 3,403,096, 9–24–68, Cl. 210—20.
Mackrle, Vladimir: *See*—
Mackrle, Svatopluk and V., Dracka, Halamek, Paseka, and Polasek. 3,398,089.
Mackrle, Svatopluk and V., Dracka, Selzer, and Halamek. 3,403,096.
Macks, Elmer F. Conveying device utilizing pressurized fluid flow. 3,362,755, 1–9–68, Cl. 302—29.
Macks, Elmer F. Pier construction. 3,379,015, 4–23–68, Cl. 61—4.
Macku, Thomas J.: *See*—
Natschke, Eldred H., and Macku. 3,390,590.
Macku, Thomas J., and E. H. Natschke, to Universal Railway Devices Co. Two way automatic brake adjuster arrangement for hopper cars. 3,386,539, 6–4–68, Cl. 188—198.
Mackworth G. Rees, a division of Avis Industrial Corp.: *See*—
Persia, Raymond J., Arnold, and Martens. 3,370,498.
MacLachlan, Alexander, to E. I. du Pont de Nemours and Co. Photographic process utilizing composition comprising an oxidatively activatable color generator thermally activatable oxidant and a redox couple. 3,383,212, 5–14–68, Cl. 96—48.
MacLachlan, Alexander, to E. I. du Pont de Nemours and Co. Photosensitive composition comprising an organic nitrogen-containing color-generator, a photo-oxidant and a redox couple. 3,390,996, 7–2–68, Cl. 96—48.
MacLachlan, William E., to Display Corp. of America. Projector table for overhead projector. 3,398,636, 8–27–68, Cl. 88—24.
MacLaren, David S. Composite mounting collar and cover for septic tank aerator mechanism. 3,367,071, 2–6–68, Cl. 52—21.

MacLaren, David S. Sewage aerator. 3,400,918, 9-10-68, Cl. 261—87.
Maclaren, Owen F. Structures for folding baby-carriages chairs, and the like. 3,390,893, 7-2-68, Cl. 280—39.
MacLaughlin, Lucius T. Window swab. 3,403,420, 10-1-68, Cl. 15—244.
Maclay, William N., to Koppers Co., Inc. Method of making xerographic toner compositions by emulsion polymerization. 3,391,082, 7-2-68, Cl. 252—62.1.
MacLean, Alexander F., to Celanese Corp. of America. Electrolytic oxidation of cerium. 3,413,203, 11-26-68, Cl. 204—79.
MacLean, Alexander F., and A. L. Stantzenberger, to Celanese Corp. of America. Process and catalyst for oxidizing olefins to carbonyl compounds. 3,384,669, 5-21-68, Cl. 260—597.
MacLean, Alexander F., and C. C. Hobbs, to Celanese Corp. Separation of formaldehyde from hydrogen peroxide by extractive distillation and subsequent formation of peracetic acid. 3,398,185, 8-20-68, Cl. 260—502.
MacLean-Fogg Lock Nut Co.: *See*—
Grube, William L. 3,408,881.
Schwiebert, Phillip D. 3,402,925.
Schwiebert, Phillip D., and Steck. 3,409,264.
MacLeay, Ronald E., and C. S. Sheppard, to Wallace & Tiernan Inc. Alkali and alkaline earth metallic salts of azoformic acids and their use as vinyl polymerization initiators. 3,418,294, 12-24-68, Cl. 260—80.
Maclellan, James A., to Sherritt Gordon Mines Ltd. Hydraulic hoisting of discrete solids. 3,371,965, 3-5-68, Cl. 302—14.
MacLellan, Kenneth B. W., and W. A. A. Witham, to MacLellan Rubber Ltd. Flexible seals. 3,387,544, 6-11-68, Cl. 94—18
MacLellan Rubber Ltd.: *See*—
MacLellan, Kenneth B. W., and Witham. 3,387,544.
MacLeod, Charles K., and P. O. Rawson, Jr., to J. C. Penney Co., Inc. Grass catching means for rotary power mowers. 3,393,500, 7-23-68, Cl. 56—202.
MacLeod, David E., to Carrier Corp. Control arrangement for an air conditioning system. 3,385,349, 5-28-68, Cl. 165—21.
MacLeod, Donald B., to Ampex Corp. Servo controlled motor drive with a mechanical filter between the motor and the driven member. 3,399,334, 8-27-68, Cl. 318—329.
Macleod & Miller Engineers Ltd.: *See*—
McKeown, John B. 3,400,822.
MacLeod, Norman A.: *See*—
McDonald, Louis, and MacLeod. 3,402,065.
MacLeod, Norman A., 36% to R. W. Whann, and 10% to F. F. Reed. Means and method for stimulating arterial and venous blood flow. 3,403,673, 10-1-68, Cl. 128—40.
MacLeod, Norman A. 36% to R. W. Whann and 10% to F. F. Reed. Means and method to promote blood and lymph circulation in pressurized suits. 3,412,730, 11-26-68, Cl. 128—40.
Macleod, Roderick B., and P. Paliyenko, to Fiber Industries, Inc. Process for preparing speckled novelty yarns. 3,389,207, 6-18-68, Cl. 264—290.
Maclin, Ernest, and J. L. Bradshaw, to General Precision Systems Inc. Slip ring. 3,396,586, 8-13-68, Cl. 74—5.
MacMartin, Malcolm P.: *See*—
Kusters, Norbert L., and MacMartin. 3,373,856.
MacMaster, Malcolm D., to Emhart Corporation. Display case. 3,365,908, 1-30-68, Cl. 62—256.
MacMeekin, Robert A.: *See*—
Ryan, John W., and MacMeekin. 3,392,991.
Ryan, John W., MacMeekin, and Danielsen. 3,407,532.
MacMillan, Bloedel and Powell River Ltd.: *See*—
Barnes, Derek. 3,415,707.
Tarrant, Edmund H. 3,368,700.
MacMillan, Charles W., to Bear Mfg. Co. Vehicle testing unit. 3,365,940, 1-30-68. Cl. 73—117.
MacMillan, Charles W., to Bear Mfg. Co. Wheel alinement apparatus. 3,393,455, 7-23-68, Cl. 33—46.
MacMillan, Charles W., to Bear Mfg. Co. Vehicle testing unit. 3,402,599, 9-24-68, Cl. 73—117.
MacMillan, Charles W., to Bear Mfg. Co. Attaching means for wheel gauges and the like. 3,402,905, 9-24-68, Cl. 248—205.
MacMillan, Lester S., to United States of America, Army. Multiple-scale reticle for a fire control system with means for adjusting the servosystem to a selected one of the scales. 3,383,987, 5-21-68, Cl. 89—41.
MacMillan, Raymond A., to United States of America, Air Force. Single thermocouple differentiating method and system. 3,360,993, 1-2-68, Cl. 73—361.
Macmillan, Richard B., and I. L. Lewis, to Imperial Chemical Industries Ltd. Chlorine-containing resins stabilized with mixtures comprising a phenyl urea and a phosphite, and optionally a magnesium compound. 3,396,131, 8-6-68, Cl. 260—23.
Macmillan, William R., to Tilghman's Ltd. Means for transporting particulate material. 3,368,667, 2-13-68, Cl. 198—224.
MacMullan, Eugene C., and D. W. Madden, to Esso Research and Engineering Co. Fractionation control system for controlling and optimizing fractionation tower material balance and heat input. 3,361,646, 1-2-68, Cl. 202—206.
MacMurray Daniel P.: *See*—
Hall, William P. G., and MacMurray. 3,411,183.
Macnair, Alan K., to West Virginia Pulp and Paper Co. Methods of coating with phase separation coatings, and resultant coated articles. 3,377,191, 4-9-68, Cl. 117—63.
MacNaughton, John D., and J. Ornstein, to Shawinigan Chemicals Ltd. Production of diphenylol propane. 3,418,378, 12-24-68, Cl. 260—619.
MacNauthton, Malcolm D., to Ingersoll-Rand Co. Torque control apparatus for impulse tools. 3,368,631, 2-13-68, Cl. 173—12.
MacNeil, Norman H.: *See*—
Garber, Thomas, Kelch, and MacNeil. 3,376,735.
MacNeill, John H., to Soroban Engineering, Inc. Card picker mechanism. 3,405,935, 10-15-68, Cl. 271—11.
MacNeill, John H., S. R. Halbert, and T. C. Holmes, to Soroban Engineering, Inc. Sheet feeding, transporting and stacking mechanism control. 3,390,878, 7-2-68, Cl. 271—57.
MacNeill, John H., and R. P. Means, to Soroban Engineering, Inc. Fluid operated step motor. 3,411,413, 11-19-68, Cl. 91—357.
MacNeille, Stephen M., to American Optical Co. Optical strain pattern suppressors for high altitude aircraft windshields. 3,377,118, 4-9-68, Cl. 350—157.
Macolcz, Edward L., to General Electric Co. Latch mechanism. 3,377,093, 4-9-68, Cl. 292—241.
Macolcz, Edward L., to General Electric Co. Dishwasher with improved side liquid inlet and hose support. 3,394,725, 7-30-68, Cl. 137—216.1.
Macomber, Franklin S., to A. T. Kearney, Personnel Services. Hand truck. 3,363,787, 1-16-68, Cl. 214—370.
Macomber, Franklin S., to A. T. Kearney, Personnel Services. Freight binding device. 3,371,815, 3-5-68, Cl. 220—1.5.
Macomber, Inc.: *See*—
Scott, Victor P. 3,385,092.
Macone, Frederick W.: *See*—
Kuhns, Roger J., and Macone. 3,367,253.
Macovski, Albert: *See*—
Frohbach, Hugh F., and Macovski. 3,371,156.
Jones, Earle D., and Macovski. 3,372,347.
Macovski, Albert, to Stanford Research Institute. Monochrome photography system for color television. 3,378,633, 4-16-68. Cl. 178—5.4.
Macovski, Albert, to Stanford Research Institute. System for scanning color encoded film with a monochrome television camera. 3,378,634, 4-16-68, Cl. 178—5.4.
Macovski, Albert, to Stanford Research Institute. Electrostatic drum printer. 3,417,404, 12-17-68, Cl. 346—74.
Macovski, Albert, to Stanford Research Institute. Filter for encoding color difference signals. 3,419,672, 12-31-68, Cl. 178—5.4.
Macovski, Albert, to Stanford Research Institute. Line scan printer. 3,419,676, 12-31-68, Cl. 178—6.6.
Macovski, Albert, and H. F. Frohbach, to Stanford Research Institute. High speed printed addressing apparatus utilizing multi-tapped delay line. 3,384,898, 5-21-68, Cl. 346—74.
Mac Peek, Donald L.: *See*—
Marcus, Erich, and MacPeek. 3,388,180.
Marcus, Erich, and MacPeek. 3,391,208.
Marcus, Erich, and MacPeek. 3,419,622.
Marcus, Erich, MacPeek, and Tinsley. 3,373,214.
Tinsley, Samuel W., and MacPeek. 3,361,686.
MacPetrie, John D., and V. Milewski, to The Valeron Corp. Cylindrical insert cutting tool 3,380,137, 4-30-68, Cl. 29—105.
MacPhail, David D., Sr., to Monsanto Co. Construction having improved sound insulation. 3,361,461, 1-2-68, Cl. 287—189.36.
MacPhee, Craig, and R. Ruelle, to United States of America, Interior. Fish culture by squawfish population eradication. 3,389,685, 6-25-68, Cl. 119—3.
MacPhee, John, to American Machine & Foundry Co. Nuclear reactor fuel bundle. 3,367,840, 2-6-68, Cl. 176—78.
MacPherson, Arthur R., G. L. Saunders, and R. C. Meaders, to Nordberg Mfg. Co. Autogenous grinding mill. 3,404,846, 10-8-68, Cl. 241—72.
Macpherson, Ian A.: *See*—
Inman, Eric R., Smith, and Macpherson. 3,398,153.
MacQuaid, Craig, and O. A. Andre, to Interco Inc. Shoe with toe and instep guard assembly. 3,407,518, 10-29-68, Cl. 36—72.
Macrander, Max S.: *See*—
Belcastro, Richard J., and Macrander. 3,402,368.
Macrander, Max S., to Automatic Electric Laboratories, Inc. Electronic switching network. Re. 26,498, 12-3-68, Cl. 179—18.
Macrander, Max S., to Automatic Electric Laboratories, Inc. Multiplying arrangement. 3,393,303, 7-16-68, Cl. 235—160.
Macrander, Max S., and R. J. Belcastro, to Automatic Electric Laboratories, Inc. Amplifying arrangement employing tunnel diode. 3,366,891, 1-30-68, Cl. 330—24.
Macreno, Fred, Jr.: *See*—
Clapp, Gary D., Macreno, and McMillan. 3,393,377.
Macres, Victor G. Electron probe having a specific short-focal length magnetic lens and light microscope. 3,374,349, 3-19-68, Cl. 250—49.5.
MacRitchie, Arthur L., and R. M. Koros, to Esso Research and Engineering Co. Data processing system for a gas chromatograph. 3,365,931, 1-30-68, Cl. 73—23.1.
Macrosonics Corp.: *See*—
Boucher, Raymond M. G. 3,398,944.
Macrum, Edward W.: *See*—
Vandergrift, Alice M. 3,400,996.
MacSorley, Olin L.: *See*—
Geller, Alan R., Hasbrouck, MacSorley, and Stetler. 3,384,877.

MacSorley, Olin L., to International Business Machines Corp. Group parity handling. 3,416,132, 12–10–68, Cl. 340—146.1.
MacSorley, Olin L., and F. R. Bielawa, to International Business Machines Corp. Multiplier for simultaneously generating partial products of various bits of the multiplier. 3,372,269, 3–5–68, Cl. 235—164.
MacSorley, Olin L., and R. A. Nelson, to International Business Machines Corp. Overlapped field handling in a data processing system. 3,384,876, 5–21–68, Cl. 340—172.5.
MacSpadden, Floyd E., Jr., Robbins Aviation, Inc. Dynamic shaft sealing device. 3,403,917, 10–1–68, Cl. 277—110.
Macura, Karl, E. Siggel, and F.-J. Schmitz, to Glanzstoff AG. Pretreatment of polyethylene terephthalate filaments for subsequent rubber adhesion. 3,383,242, 5–14–68, Cl. 117—138.8.
Macurdy, William B.: *See*—
Kettley, Arthur W., Macurdy, Muir, and Stagg. 3,370,274.
MacWhyte Co.: *See*—
Riggs, Peter P. 3,391,531.
MacWilliams, Walter H., Jr., and D. H. Ring, to Bell Telephone Laboratories, Inc. Microwave slip ring. 3,419,826, 12–31–68, Cl. 333—98.
Macy, Christian D., J. A. Burton, and R. E. Laugen, to Geo. A. Hormel & Co. Process and apparatus for continuous rendering operations. 3,410,882, 11–12–68, Cl. 260—412.6.
Macy, James B., Jr.: *See*—
Satterthwaite, James G., and Macy. 3,407,779.
Macy, James C., to Thrust, Inc. Electromagnetic actuating device. 3,376,528, 4–2–68, Cl. 335—296.
Macy, Valentine E., Jr.: *See*—
Allen, Earle F. 3,376,795.
Macys, Albert, and R. Marinace, to Sperry Rand Corp. Magnetic reed switch. 3,400,347, 9–3–68, Cl. 335—151.
Maczko, William J., and W. R. Lethin, to Honeywell, Inc. Multi-function adder including multi-stage carry chain register with conditioning means. 3,400,259, 9–3–68, Cl. 235—156.
MacZura, George, and W. H. Gitzen, to Aluminum Co. of America. Production of fused alumina. 3,397,952, 8–20–68, Cl. 23—141.
Maczuzak, Michael, and J. V. Werme, to Bailey Meter Co. Power demand predicting computer control system. 3,387,-121, 6–4–68, Cl. 235—151.21.
Madaris, Charles F.: *See*—
Lutz, Leland H., and Madaris. 3,382,558.
Maddalozzo, Raymond J., to International Harvester Co. Diesel distributor valve and governor therefor. 3,398,729, 8–27–68, Cl. 123—139.
Maddalozzo, Raymond J., to International Harvester Co. Fuel injection system and distributor valve therefor. 3,398,-730, 8–27–68, Cl. 123—139.
Maddalozzo, Raymond J., and E. A. Slindee, to International Harvester Co. Mechanical injector having needle-seating spring. 3,409,225, 11–5–68, Cl. 239—89.
Madden, Dave W.: *See*—
MacMullan, Eugene C., and Madden. 3,361,646.
Madden, Eugene, to Cox Instruments Division. Contaminant sampling apparatus and method. 3,400,575, 9–10–68, Cl. 73—61.
Maddigan, Richard J., to Kaiser Aluminum & Chemical Corp. Method for preventing metal-liquid explosions in casting operation. 3,368,607, 2–13–68, Cl. 164—1.
Maddock, Edward G., to Cities Service Tankers Corp. Method for disposal of crude oil residues contained in marine tanker cargo compartments. 3,364,893, 1–23–68, Cl. 114—74.
Maddock, Kenneth J., to Westinghouse Air Brake Co. Rotating cutter bit. 3,361,481, 1–2–68, Cl. 299—86.
Maddock, Ralph B., to Pako Corp. Roller construction for stripping sheet material from transport rollers. 3,363,816, 1–16–68, Cl. 226—186.
Maddock, William E., ½ to Garrel O. Day. Attachment for a backhoe or other vehicle. 3,396,946, 8–13–68, Cl. 254—189.
Maddox, De Wayne: *See*—
Bracken, Robert C., Lea, Jobe, and Maddox. 3,399,542.
Maddox, Robert E., R. E. Hengstler, and S. G. Benner, to Johns-Manville Corp. Method and apparatus for producing fibrous material. 3,374,075, 3–19–68, Cl. 65—6.
Maddux, William R.: *See*—
McGahee, Welbourne D. 3,398,426.
Madeira, William T., to K-D Mfg. Co. Snap ring tool. 3,365,782, 1–30–68, Cl. 29—229.
Madeley, Robert, to Fielding & Platt Ltd. Metal extrusion presses. 3,377,833, 4–16–68, Cl. 72—263.
Mader, Arthur H., and S. King, to General Precision Systems Inc. Doppler signal simulator. 3,375,518, 3–26–68, Cl. 343—17.7.
Mader, George E., Jr.: *See*—
Zavasnik, Frederick J., Mader, and Welty. 3,366,341.
Mader, George E., Jr., and T. J. Huddleston, to Phillips Petroleum Co. Tension control of running thermoplastic filaments. 3,395,200, 7–30–68, Cl. 264—40.
Mader, Helmut: *See*—
Von Konig, Anita, Mader, Ulrich, and Weyde. 3,419,395.
Von Konig, Anita, Mader, and Weyde. 3,415,651.
Mader, James M., to Leeds & Northrup Co. Magnetic multiplier/divider systems. 3,387,122, 6–4–68, Cl. 235—195.
Mader, Jerome J., to Teletype Corp. Wire spring paper spindle. 3,386,673, 6–4–68, Cl. 242—55.2.
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Madison, William F., to United States of America, Navy. Torpedo drag reduction apparatus. 3,382,831, 5–14–68, Cl. 114—20.
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Madland, Rolf A., to Parker-Hannifin Corp. Hydraulic ram. 3,417,670, 12–24–68, Cl. 92—52.
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Madlener, Paul, J. Muller, and O. Pecksen, to Industrie-Werke Karlsruhe Aktiengesellschaft. Detonator for land mines. 3,411,445, 11–19–68, Cl. 102—8.
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Madsen, Kristian D., to Allmanna Svenska Elektriska Aktiebolaget. Rotating electric high power machine with super-conducting stator. 3,368,087, 2–6–68, Cl. 310—10.
Madsen, Kristian D., to Allmanna Svenska Elektriska Aktiebolaget. Rotor structure for a high power synchronous machine of the turbo type. 3,405,294, 10–8–68, Cl. 310—86.
Madsen, Kristian D., to Allmanna Svenska Elektriska Aktiebolaget. Stator structure for a high power synchronous machine having high average induction in the air gap. 3,405,-297, 10–8–68, Cl. 310—258.
Madsen, Kristian D., S. Helmersson, and R. Sivertsen, to Allmanna Svenska Elektriska Aktiebolaget. High power synchronous machine. 3,381,154, 4–30–68, Cl. 310—213.
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Maeda, Tetsuo. Change speed gear control device for bicycles or the like. 3,364,762, 1-23-68, Cl. 74—217.

Maeda, Tetsuo. Handle control device for bicycle speed change gear. 3,418,867, 12-31-68, Cl. 74—535.

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Maeder, Paul F., to MacCleaster-Schwarz. Navigation instrumentation. 3,374,670, 3-26-68, Cl. 73—178.

Maehara, Shigeru, I. Igarashi, and A. Ito, to Yawata Iron & Steel Co., Ltd., and Yokoyama Engineering Co., Ltd. Apparatus for recovering waste gas from oxygen top blowing converter in unburnt state. 3,377,057, 4-9-68, Cl. 266—15.

Maehara, Shigeru, and I. Igarashi, to Yawata Iron & Steel Co., Ltd., and Yokoyama Engineering Co., Ltd. Apparatus for recovering an unburnt waste gas in an oxygen top-blowing converter. 3,396,958, 8-13-68, Cl. 266—31.

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Maekawa, Toshiaki, and S. Kawano, to Hitachi, Ltd. Control apparatus for tandem rolling mills. 3,365,920, 1-30-68, Cl. 72—10.

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Maerker, Gerhard, and E. T. Haeberer, to United States of America, Agriculture. Direct cleavage of epoxides to produce aldehydes. 3,405,149, 10-8-68, Cl. 260—405.

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Maes, Michel E., to Explosives Corp. of America. Hydrazine containing explosive compositions. 3,419,443, 12-31-68, Cl. 149—1.

Maestro Corp.: *See*—
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Maffet, Vere, to E. I. du Pont de Nemours and Co. Microcrystalline cellulose particles in photographic silver halide elements. 3,373,023, 3-12-68, Cl. 96—113.

Maffey, George E., Jr., to The Black and Decker Mfg. Co. Cantilevered rotor means for pneumatic tool. 3,363,699, 1-16-68, Cl. 173—93.5.

Maffey, George E., Jr., to The Black and Decker Mfg. Co. Right-angle portable electric tool with split housing and bearing arrangement therefor. 3,411,024, 11-12-68, Cl. 310—50.

Maffey, George E., Jr., and W. D. Abell, to The Black and Decker Mfg. Co. Impact wrench. 3,369,615, 2-20-68, Cl. 173—93.6.

Magat, Eugene E., and I. F. Walker, to E. I. du Pont de Nemours and Co. Polyoxyethylene adduct of 2,6-di-t-butylphenol. 3,388,170, 6-11-68. Cl. 260—613.

Magat, Eugene E., and D. Tanner, to E. I. du Pont de Nemours and Co. Graft copolymers of fluorocarbon groups on polyamide or polyester substrates. 3,412,175, 11-19-68, Cl. 260—857.

Magat, Eugene E., and D. Tanner, to E. I. du Pont de Nemours and Co. Graft copolymers of unsaturated alcohol side chains or polyamide or polyester substrates. 3,412,176, 11-19-68, Cl. 260—857.

Magat, Eugene E., and D. Tanner, to E. I. du Pont de Nemours and Co. Graft copolymers of nitrile groups on polyamide substrates. 3,413,378, 11-26-68, Cl. 260—857.

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Magee, Albert C., and J. N. Grassby, to The International Nickel Co., Inc. Valve and method for operating mechanical tuyere puncher and the like. 3,367,238, 2-6-68, Cl. 91—36.

Magee, Harold. Attaching device for flexible electric conduit. 3,393,003, 7-16-68, Cl. 294—96.

Magee, Hubert E., and J. C. Whitmer, to General Motors Corp. Apparatus for recording temperature changes in a resistive element due to self-heating. 3,406,335, 10-15-68, Cl. 324—65.

Magee, John E. Security control of automatic elevator cars. 3,388,376, 6-11-68, Cl. 340—20.

Magee, John E. Controls for elevator doors. 3,404,753, 10-8-68, Cl. 187—52.

Magee, John S., and W. S. Briggs, to W. R. Grace & Co. Process for producing alumina having a narrow pore size distribution. 3,361,526, 1-2-68, Cl. 23—143.

Magee, Kenneth L., to J. I. Case Co. Harvester header. 3,399,-517, 9-3-68, Cl. 56—17.

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Magee, Philip S., to Chevron Research Co. Method of controlling mildew with naphthyl phenylsulfides. 3,409,724, 11-5-68, Cl. 424—337.

Magee, Thomas A., to Diamond Shamrock Corp. Insecticidal use of exo,exo-4,8-dichloro 2-thiatricyclo[3,2.1.0^{3,7}]octane 2,2 dioxide. 3,396,225, 8-6-68, Cl. 424—275.

Mageean, James V., to TRW Inc. Self adjusting rocket engine. 3,391,533, 7-9-68, Cl. 60—39.27.

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Magerlein, Barney J., to The Upjohn Co. Oxygenated derivatives of methyl 6-amino-6,8-dideoxy-1-thio-D-erythro-α-D-galacto-octopyranoside and ethyl 6-amino-6,8-dideoxy-1-thio-D-erythro-α-D-galacto-octo-pyranoside and process for producing the same. 3,382,230, 5-7-68, Cl. 260—210.

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Meyer, Gerhard, Siggel, Schopf, and Magerlein. 3,407,172.
Rupp, Hans-Dieter, Siggel, Meyer, and Magerlein. 3,397,-960.

Magerlein, Helmut, E. Siggel, H.-D. Rupp, and G. Meyer, to Glanzstoff A.G. Process for the production of symmetrical aromatic derivatives of ethylene. 3,419,630, 12-31-68, Cl. 260—668.

Magers, Leroy, Jr., to The Preload Co. Prestressed structure. 3,377,757, 4-16-68, Cl. 52—224.

Mages, David H., to Webtron Corp. Butt cutting roll with removable blade and press fit guide bearings and method of making same. 3,374,700, 3-26-68, Cl. 83—674.

Mages, David H., to Webtron Corp. Cutting and punching tool for continuous webs. 3,381,560, 5-7-68, Cl. 83—168.

Magg, Alfred, to Zahnradfabrik Friedrichshafen A.G. Multiple speed gearshift control for motor vehicles. 3,407,676, 10-29-68, Cl. 74—335.

Maggi, Ernesto. Arc-extinguishing chambers for alternating current utilizing permanent magnets. 3,369,095, 2-13-68, Cl. 200—147.

Magic, John J., and R. F. Frost, to American Maize-Products Co. Starch compositions and improvements of food with same. 3,372,034, 3–5–68, Cl. 99—83.
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Magne, Frank C., E. L. Skau, and R. R. Mod, to United States of America, Agriculture. Morpholides of mixtures of epoxidized, saturated, and polyunsaturated fatty acids. 3,379,-551, 4–23–68, Cl. 106—316.
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Magne, Frank C., E. L. Skau, and R. R. Mod, to United States of America, Agriculture. Vinyl chloride polymers plasticized with morpholides. 3,385,813, 5–28–68, Cl. 260—30.4.
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Magnuski, Henry, to Motorola, Inc. Electronic alarm system. 3,380,023, 4–23–68, Cl. 340—147.
Magnuski, Henry, to Motorola, Inc. Bearing measurement system using statistical signal processing by analog techniques. 3,392,392, 7–9–68, Cl. 343—113.
Magnuski, Henry, to Motorola, Inc. Vehicular speed indicator, odometer and automatic speed control system. 3,406,775, 10–22–68, Cl. 180—105.
Magnuson, Charles H., and E. J. Leonard, to Signode Corp. Grain door installation for railway freight cars and nail shim therefor. 3,394,753, 7–30–68, Cl. 160—368.
Magnuson, Raymond A., to Vogel-Peterson Co. Checking apparatus for garment racks and the like. 3,411,633, 11–19–68, Cl. 211—13.
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Magnusson, Bengt G., to Telefonaktiebolaget L M Ericsson. Arrangement for control of telephone set cut-off relays in an automatic telephone system. 3,412,209, 11–19–68, Cl. 179—16.
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Maguire, Addison C., to Rolla-Royce Ltd. Aircraft. 3,363,860, 1–16–68, Cl. 244—54.
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Mahe, Andre Y., to North American Philips Co., Inc. Vacuum device. 3,396,548, 8–13–68, Cl. 62—55.5.
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McDaniel, Carl V., and Maher. 3,375,065.
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Maher, Philip K., and C. V. McDaniel, to W. R. Grace & Co. Process for increasing the thermal stability of synthetic faujasite. 3,374,056, 3–19–68, Cl. 23—112.
Maher, Philip K., and C. V. McDaniel, to W. R. Grace & Co. Ion exchange of crystalline zeolites. 3,402,996, 9–24–68, Cl. 23—112
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Maillard, Bernard, and P. Hug, to Brevets Aero-Mecaniques S.A. Toothed rotor mechanisms for automatic guns fed from two cartridge belts. 3,417,657, 12-24-68, Cl. 89—33.
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Mainhardt, Robert, and E. F. Lamp, to MB Associates. Flare launching device. 3,378,944, 4-23-68, Cl. 42—1.
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Majima, Hideyasu, to Hitachi, Ltd. Light display device employing angularly selective polarizer. 3,374,358, 3-19-68, Cl. 250—213.
Majkrzak, Charles P., to International Telephone and Telegraph Corp. Device for coiled stowage of cables. 3,389,868, 6-25-68, Cl. 242—54.
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Majzlin, Gregory. Intra-uterine contraceptive device. 3,397,691, 8-20-68, Cl. 128—130.
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Makhlouf, Joseph M., and W. V. Hough, to Callery Chemical Co. Preparation of decahydrodecaborates. 3,373,203, 3-12-68, Cl. 260—567.6.
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Daunt, John G. 3,397,738.

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Malby, Howard S., F. M. Recknagel, and R. S. Toble, to Chevron Research Co. Grippable container having ribbed protuberances along the side walls thereof and container blank for forming same. 3,390,828, 7–2–68, Cl. 229—8.

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Mandel, Lazaro J., and G. Kosa, to Sonotone Corp. Dual rate battery charging system. 3,417,308, 12–17–68, Cl. 320—23.

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Mandekic, Anthony V. Power-operated mechanical steering apparatus for trailers and semi-trailers. 3,389,762, 6–25–68, Cl. 180—79.2.

Mandelbaum, Herbert, and L. S. Wegman. Burning apparatus. 3,392,690, 7–16–68, Cl. 110—119.

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Mandonas, Nicholas J., and E. T. Stocker, to Western Electric Co., Inc. Assembly apparatus. 3,367,013, 2–6–68, Cl. 29—203.

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Lerch, David W. 3,398,694.

Marine Industries, Inc.: *See*—
Foster, Merrill J. 3,364,739.
Foster, Merrill J. 3,409,816.

Marine International, Inc.: *See*—
Bush, James. 3,397,581.

Marine Moisture Control Co., Inc.: *See*—
Cigliano, Irving L. 3,394,834.
Gravert, William H. 3,372,592.

Marine Travelift, Inc.: *See*—
Stearn, Richard A., Petersen, and Lenius. 3,409,153.

Marinelli, Joseph, to City Welding & Mfg. Co., Inc. Mounting bracket for chassis equalizer assembly. 3,392,988, 7–16–68, Cl. 280—106.

Mariner, William H. Double open end wrench with flexible nut engaging means. 3,413,878, 12–3–68, Cl. 81—64.

Maringer, Melvin F.: *See*—
Rowland, Stanley P., McClain, and Maringer. 3,411,967.

Marini, Louis G.: *See*—
Marini, Thomas O. and L. G. 3,379,451.

Marini, Thomas O. and L. G. Utility cart. 3,379,451, 4–23–68, Cl. 280—47.19.

Marino, Francis C.: *See*—
Leonard Eugene, Wolf, Marino, and Heine. 3,401,394.
Wolf, Edgar, and Marino. 3,401,396.
Wolf, Edgar, and Marino. 3,408,572.

Marino, Jesse D., to United States Steel Corporation. Oxygen injection apparatus for steelmaking converters. 3,366,376, 1–30–68, Cl. 266—34.

Marino, John A.: *See*—
Henry, Ralph E., and Marino. 3,362,720.

Marino, Joseph, and W. R. Schaefer, to Westinghouse Electric Corp. Semiconductor device contact structure. 3,418,543, 12–24–68, Cl. 317—234.

Marino, Joseph P. Electronic Instruments Corp. Ground fault protective apparatus. 3,366,840, 1–30–68, Cl. 317—18.

Marino, Leon J. Water-ski towing apparatus. 3,417,726, 12–24–68, Cl. 114—235.

Marino, Nicholas A., to Sears, Roebuck and Co. Panty with openable crotch. 3,398,739, 8–27–68, Cl. 128—529.

Marino, Nicholas A., to Sears Roebuck and Co. Combined maternity support and garter belt. 3,411,511, 11–19–68, Cl. 128—579.

Marino, Rinaldo G., 20% to L. Kaplan, 20% to R. M. Cavello, and 10% to R. C. Cummings. Shovel. 3,369,835, 2–20–68, Cl. 294—54.

Marino, Vincent J. Dimensionally stable wood flooring. 3,365,850, 1–30–68, Cl. 52—309.

Marinoff, Charles: *See*—
Spriggs, Reuben S., Learn, and Marinoff. 3,405,251.

Marinot, Robert: *See*—
Bret, Antoine, and Marinot. 3,386,884.

Marinozzi, Domenick, Jr., to Optical Coating Laboratory, Inc. Optical monitoring apparatus which includes a reflector system for focusing light on a sample and for receiving light reflected from the sample. 3,411,852, 11–19–68, Cl. 356—24.

Marinozzi, Paolo: *See*—
Ferlazzo, Natale, Caporali, Giordano, and Marinozzi. 3,370,083.

Marinus, Victor A.: *See*—
De Smedt, Felix F., and Marinus. 3,417,430.

Marion, Andre F.: *See*—
Chamness, Leland D., and Marion. 3,406,625.
Chamness, Leland D., and Marion. 3,408,930.

Marion Laboratories, Inc.: *See*—
Mathison, Ian W. 3,379,730.

Marion Power Shovel Co., Inc.: *See*—
Baron, George B. 3,362,299.

Mariotti, Vittorio: *See*—
Giraldi, Pier N., and Mariotti. 3,399,193.

Marischen, John P., to Ampco Metal, Inc. Impeller construction. 3,395,649, 8–6–68, Cl. 103—103.

Mark Associates, Inc.: *See*—
Gibson, Donald F. 3,383,979.

Mark, Edward R. Loop-forming cable fitting. 3,416,197, 12–17–68, Cl. 24—123.

Mark, Herbert A.: *See*—
Salna, Karl, Mark, and Urman. 3,402,841.

Mark, John T.: *See*—
Henderson, William G., and Mark. 3,382,388.

Mark Products, Inc.: *See*—
Johnson, Walter P., III. 3,412,376.

Mark Systems Inc.: *See*—
Komas, John, Insley, and Palm. 3,380,679.
Palm, George U. 3,417,934.

Mark, Victor: *See*—
Hauptschein, Murray, and Mark. 3,364,233.
Mark, Victor, to Monsanto Co. Pesticides. 3,418,364, 12-24-68, Cl. 260—468.
Markakis, Michael J., to Ampex Corp. Simultaneous write-read magnetic recording system. 3,365,708, 1-23-68, Cl. 340—174.1.
Markakis, Michael J., to Ampex Corp. Gap scatter correction apparatus. 3,409,900, 11-5-68, Cl. 346—74.
Markakis, Michael J., and S. J. Ferguson, to Ampex Corp. Tape transport. 3,417,938, 12-24-68, Cl. 242—55.13.
Markbar Corp.: *See*—
Krauss, John, and Barbu. Re. 26,496.
Krauss, John, and Barbu. 3,419,003.
Markbreiter, Stephen J.: *See*—
Knapp, Helmut, Markbreiter, and Weiss. 3,360,944.
Markel Electric Products, Inc.: *See*—
Ortiz, Ralph G., and Grant. 3,398,263.
Markel, Kurt, and J. Steinberg, to VEB Chemiefaserwerk Schwarza Wilhelm Pieck. Process for separating polyamide from monomer-removing solvent. 3,361,721, 1-2-68, Cl. 260—78.
Markel, L. Frank, & Sons, Inc.: *See*—
Buschman, Francis X., and Dillon. 3,409,584.
Markels, Michael, Jr., to The Susquehanna Corp. Composite propellent compositions containing rounded oxidizer particles of a maximum size of 100 microns. 3,419,445, 12-31-68, Cl. 149—19.
Markem Machine Co.: *See*—
Tripp, Kenneth F. 3,372,638.
Marker, Hannes: *See*—
Adam, Gunter. 3,379,448.
Adam, Gunter. 3,403,920.
Berchtold, Ludwig, and Schuster. 3,405,951.
Scheib, Hermann. 3,361,434.
Scheib, Hermann. 3,394,943.
Scheib, Hermann. 3,406,981.
Scheib, Hermann. 3,415,530.
Marker, Hannes. Safety ski binding. 3,378,270, 4-16-68, Cl. 280—11.35.
Marker, Hannes. Safety toe iron. 3,416,811, 12-17-68, Cl. 280—11.35.
Marker, Roy C., to Air Reduction Co. Graphite cloth heating element clamped on bus bars. 3,400,253, 9-3-68, Cl. 219—541.
Markert, Ferdinand: *See*—
Buschmann, Karl, Markert, Meyer, and Vollhardt. 3,392,211.
Markert, Herman R.: *See*—
Bacon, Robert D., and Markert. 3,377,003.
Market Forge Co.: *See*—
Binding, Kenneth W. 3,412,866.
Callen, Robert H. 3,390,537.
Callen, Robert H. 3,412,909.
Callen, Robert H. 3,417,903.
Markey, Harold G.: *See*—
Brooke, Alvin W., Kuntzleman, and Markey. 3,388,216.
Markgraf, Tony C. Pipe tool. 3,373,477, 3-19-68, Cl. 29—237.
Markham, Aaron E.: *See*—
Felicetta, Vincent F., and Markham. 3,398,005.
Felicetta, Vincent F., and Markham. 3,398,006.
Markham, Aaron E., to Georgia-Pacific Corp. Drilling mud. 3,388,061, 6-11-68, Cl. 252—8.5.
Markham, David R., to Deere & Co. Harvesting apparatus. 3,388,538, 6-18-68, Cl. 56—98.
Markham, Odell C., and A. C. Ferguson. Parachute protected aircraft. 3,395,881, 8-6-68, Cl. 244—139.
Markham, Wesley K. Watercraft. 3,416,478, 12-17-68, Cl 114—16.
Markhart, Albert H.: *See*—
Serlin, Irving, Lavin, and Markhart. 3,377,310.
Markiewitz, Kenneth H., to Atlas Chemical Industries, Inc. Interconversion of amines. 3,394,187, 7-23-68, Cl. 260—583.
Markillie, John H., to The Upjohn Co. Isoxazolo [5,4-b] pyridine derivatives and a method of their preparation. 3,381,016, 4-30-68, Cl. 260—296.
Markillie, John H., to The Upjohn Co. 1H-pyrazolo[3,4-b] pyridines. 3,403,158, 9-24-68, Cl. 260—296.
Markin Tubing, Inc.: *See*—
Caplan, Isadore. 3,376,632.
Markite Corp.: *See*—
Guggenheim, Frederick F., and Shriro. 3,392,360.
Louis, Arnold S. 3,393,390.
Markle, Albert L.: *See*—
Taylor, Douglas W., Wechsler, and Markle. 3,376,472.
Markley, William F.: *See*—
Raver, Francis M., and Markley. 3,371,505.
Marklund, Karl G. E., and D. L. Rehnstrom. Loading apparatus for vehicles. 3,367,514, 2-6-68, Cl. 212—35.
Markman, Harry D. Endoscope slide viewer. 3,381,392, 5-7-68, Cl. 35—17.
Markovic, Patrick L., to E. I. du Pont de Nemours and Co. Roll structure for drying of cellophane. 3,412,479, 11-26-68, Cl. 34—240.
Markow, Basil, to United States of America, Army. Geiger-Muller radiation detector with means to prevent erroneous readings at high radiation intensity. 3,366,791, 1-30-68, Cl. 250—83.6.
Markowitz, Isral J. Safety bottle closure. 3,403,803, 10-1-68, Cl. 215—9.
Markowitz, Jerome, to Allen Organ Co., Inc. Electrical musical instrument with tremolo. 3,378,624, 4-16-68, Cl. 84—1.25.
Markowitz, Joel, and D. W. Fair, to Rexall Drug and Chemical Co. Mass control and density measurement system for chemical reactions. 3,384,745, 5-21-68, Cl. 250—43.5.
Markowski, Edward C.: *See*—
O'Brien, Robert E., Roth, and Markowski. 3,388,625.
Markowski, Stanley J., to United Aircraft Corp. Variable area exhaust deflector. 3,380,660, 4-30-68, Cl. 239—265.27.
Markowski, Stanley J., to United Aircraft Corp. Thrust deflector. 3,380,661, 4-30-68, Cl. 239—265.29.
Markowski, Stanley J., to United Aircraft Corp. Curved exhaust deflector. 3,393,516, 7-23-68, Cl. 60—204.
Marks, Alexander A., and J. A. Fritz, said Fritz assor. to McKee & McHale, Inc. Burner controls. 3,387,603, 6-11-68, Cl. 126—343.5.
Marks, Alvin M. Method and apparatus for producing charged aerosols. 3,411,025, 11-12-68, Cl. 310—11.
Marks, Alvin M. Heat-electrical power interconversion devices. 3,417,267, 12-17-68, Cl. 310—6.
Marks, Cornelis J. A. T.: *See*—
Reinhoudt, Jacobus P., Marks, and Van Beukering. 3,396,976.
Marks, Craig, to General Motors Corp. Fluid amplifier arrangement and fuel system incorporating same. 3,406,951, 10-22-68, Cl. 261—36.
Marks, David T.: *See*—
Reiners, Neville H., Marks, and Smith. 3,385,276.
Marks, Harold R., to The Boeing Co. Wear-resistant repellent-finished article and process of making the same. 3,419,414, 12-31-68, Cl. 117—70.
Marks, Joseph. Educational workbook. 3,417,491, 12-24-68, Cl. 35—9.
Marks, Leland A. Electrical tic-tac-toe game. 3,367,663, 2-6-68, Cl. 273—135.
Marks, Leonard. Interconnectable toy elements having hook members. 3,414,265, 12-3-68, Cl. 273—156.
Marks, Madison E.: *See*—
Menzl, Roland L., Marks, and Crowther. 3,376,218.
Wood, Frederick S., Menzl, Marks, and Garst. 3,382,168.
Marks, Marvin D., to McDonnell Aircraft Corp. Combination subsonic and supersonic propulsion system and apparatus. 3,374,631, 3-26-68, Cl. 60—244.
Marks, Murray, and J. A. Ferrara, to Aerojet-General Corp. Support plates for reverse osmosis desalination apparatus. 3,398,833, 8-27-68, Cl. 210—321.
Marks, Orin W.: *See*—
Fee, Harry R., Lawrence, and Marks. 3,390,028.
Fee, Harry R., Lawrence, and Marks. 3,390,030.
Marks, Raymond. Bait box. 3,399,484, 9-3-68, Cl. 43—55.
Marks, Theodore, to American Technical Machinery Corp. Apparatus and method for producing twisted wire products. 3,370,622, 2-27-68, Cl. 140—149.
Marks, Theodore, and J. T. Gelardi, to American Technical Machinery Corp. Bristle feeding mechanism. 3,376,073, 4-2-68, Cl. 300—2.
Marks, Ulrich G., to Cockle Ventilator Co., Inc. Dripless grease extractor for kitchen hoods. 3,376,804, 4-9-68, Cl. 98—115.
Marks, Wilbur, and G. L. E. Jarlan, to Oceanics Inc. Splash-retarding vessels. 3,379,338, 4-23-68, Cl. 220—90.4.
Marks, William M., and W. L. Brackin, to Dresser Industries, Inc. Pipe elevator for use with split block. 3,403,791, 10-1-68, Cl. 214—2.5.
Markum, Arvel D.: *See*—
Bentel, Helmuth K., Markum, and O'Donnell. 3,418,824.
Markus-Campbell Co.: *See*—
Vinci, Robert A. 3,411,223.
Markwell Mfg. Co., Inc.: *See*—
Treatman, Eli. 3,417,908.
Marlar, J. A.: *See*—
Davis, Artie L. 3,392,915.
Marlet, Georges N.: *See*—
Cain, Pierre A., and Marlet. 3,393,907.
Marley, David J.: *See*—
Silver, Alexander, and Marley. 3,366,427.
Marley, David J., to The Garrett Corp. Foil thrust bearing arrangements. 3,375,046, 3-26-68, Cl. 308—164.
Marley, David J., to The Garrett Corp. Self-acting foil bearings. 3,382,014, 5-7-68, Cl. 308—9.
Marley, James E., and J. R. Vickery, Jr., to AMP Inc. Crimping tool. 3,393,438, 7-23-68, Cl. 29—203.
Marley, John, to International Telephone and Telegraph Corp. Component arrangement having corrugated rings for applying electrical potential to detachable units. 3,370,202, 2-20-68, Cl. 317—101.
Marley, John, to International Telephone and Telegraph Corp. Multiple chip integrated circuit assembly. 3,390,308, 6-25-68, Cl. 317—100.
Marley, Stanford. Apparatus for mending knitted fabrics. 3,413,822, 12-3-68, Cl. 66—1.
Marlin Firearms Co., The: *See*—
Robinson, Thomas R., Jr. 3,360,878.
Marlin Industrial Division, Inc.: *See*—
Robinson, Thomas R., Jr. 3,411,242.
Marlind, Goran, to AB Vavra Hydraulteknik. Method and an apparatus for installing underground pipes. 3,415,329, 12-10-68, Cl. 175—19.
Marlman, Fred W. Fluid gun. 3,391,483, 7-9-68, Cl. 43—84.

Marlow, Douglas C.: *See*—
Sarginson, John F., and Marlow. 3,384,148.
Marlow, Douglas C., to Pirelli Ltd. Support members. 3,375,-861, 4–2–68, Cl. 160—371.
Marlow, Jacob, and W. M. Harcum, to Robertshaw Controls Co. Motor control system for controlling fluid flow. 3,363,-161, 1–9–68, Cl. 318—481.
Marmac Co., The: *See*—
McCreery, Robert B. 3,416,406.
Marmor, Solomon, to Research Corp. Production of chloro-quinones. 3,396,178, 8–6–68, Cl. 260—396.
Maromatic Co., Inc.: *See*—
Roland, Max G. 3,417,452.
Maron, Clarence: *See*—
Goess, John A., and Maron. 3,389,503.
Marona, Robert N., and P. H. Huepenbecker, to General Foods Corp. Liquid metering dispenser container. 3,366,284, 1–30–68, Cl. 222—211.
Marosi, Gilbert, to General Precision Systems Inc. Self-tunable vehicle presence detector system. 3,373,374, 3–12–68, Cl. 331—8.
Maroth, Arthur M. Mechanical drive. 3,377,878, 4–16–68, Cl. 74—424.8.
Marotta, Nicholas G.: *See*—
Murray, Daniel G., Marotta, and Boettger. 3,407,070.
Marotta, Patrick T. Hoisting and launching apparatus for dinghy. 3,418,671, 12–31–68, Cl. 9—39.
Marotta, Ralph, to Monsanto Co. Process for preparing silica aquasols. 3,374,180, 3–19–68, Cl. 252—313.
Marotta, Ralph, and H. Teicher, to Monsanto Co. Chemical compositions and processes. 3,367,742, 2–6–68, Cl. 23—182.
Marotta Valve Corp.: *See*—
Wells, David L. 3,368,791.
Marotto, Robert A.: *See*—
Tornoe, John A., and Marotto. 3,392,998.
Tornoe, John A., Marotto, and Hegedus. 3,390,558.
Maroun, Louis P. Golf putter with attachable sighting device. 3,403,912, 10–1–68, Cl. 273—163.
Marple, Stanley, Jr., to Shell Oil Co. Transport of water-soluble solids in an oil carrier and their recovery by contacting with a saturated brine. 3,365,279, 1–23–68, Cl. 23—312.
Marples, Bernard P.: *See*—
Baldwin, Richard E., and Marples. 3,400,659.
Marquardt Corp., The: *See*—
Brueggemann, Harry P. 3,397,605.
Clanton, Henry M., and Crofts. 3,390,256.
Frayne, John G., and Brueggemann. 3,397,936.
Goldstein, Allen E. 3,410,092.
Goldstein, Allen E., Rouse, and Schroeter. 3,389,555.
Haas, Ralph W., and Hell. 3,407,393.
Harp, James L., Jr. 3,407,653.
Otsap, Ben A. 3,368,577.
Rosman, Irwin E., and Malek. 3,368,617.
Straly, Warren H., and Adlhoch. 3,410,504.
Waxman, Herbert I. 3,404,813.
Marquardt, Julius F.: *See*—
Carlson, Robert L., and Marquardt. 3,370,422.
Marquardt, William A., and R. M. Bednarski, to Alco Standard Corp. Manufacture of pure nitrogen. 3,388,973, 6–18–68, Cl. 23—220.
Marquart, Vernon L., M. W. Teutsch, and J. K. Swigert, to Nuclear Corp. of America. Developing system for electrostatic copying machine. 3,367,305, 2–6–68, Cl. 118—612.
Marquart, Vernon L., and M. A. Stolle, to Nuclear Corp. of America. Apparatus for testing electrostatic copy material. 3,406,334, 10–15–68, Cl. 324—32.
Marque, Yves: *See*—
Rainbault, Pierre, Goupil, and Marque. 3,389,251.
Marquerinck, Joost E.: *See*—
Seur, Christian J., and Marquerinck. 3,403,287.
Marquette Corp.: *See*—
MacCrea, Richard S. 3,364,418.
Marquis, Donald P., L. L. Ruffle, and M. A. Schultz, to General Motors Corp. Idler arm bearing assembly. 3,361,459, 1–2–68, Cl. 287—93.
Marquis, Edgar E. Electro-thermal time-delay switch having a heating element and a heat-responsive switch-operating member. 3,371,174, 2–27–68, Cl. 200—122.
Marquis, Edgar E., to Gorn Corp. High frequency relay switch. 3,377,449, 4–9–68, Cl. 200—153.
Marr, Jules W., to General Electric Co. Gas detector having inlet orifice for linear operation of the detector. 3,411,073, 11–12–68, Cl. 324—33.
Marra, Daniel A., Jr., to N. White. Protective devices for torch tips. 3,375,090, 3–26–68, Cl. 29—188.5.
Marra, Dorothea C.: *See*—
Osipow, Lloyd I., and Marra. 3,403,040.
Marra, Joseph V., and H. M. Spurlin, to Hercules Inc. Antistatic polyethylene compositions. 3,365,437, 1–23–68, Cl. 260—94.9.
Marraffino, Leonard L., and R. J. Miolla, Jr.; said Miolla assor. to said Marraffino. Additive fluid dispensing head. 3,390,820, 7–2–68, Cl. 222—193.
Marraffino, Leonard L., and R. J. Miolla, Jr.; said Miolla, assor. to said Marraffino. Mixing head with full opening control. 3,404,812, 10–8–68, Cl. 222—193.
Marrero, Michael T., to United States of America, Navy. Radar landmass simulator. 3,413,402, 11–26–68, Cl. 35—10.4.
Marretta Concrete Co.: *See*—
Wells, Richard. 3,412,441.
Marriam, Robert R., to W. R. Grace & Co. Slurry fertilizer spray apparatus. 3,386,660, 6–4–68, Cl. 239—142.
Marrichi, Frank T., and R. I. Bowie, to The Rowan Controller Co. Fused contactor. 3,382,467, 5–7–68, Cl. 335—142.
Marrie, Paul, to Societe Nouvelle d'Exploitation des Etablissements Boilot-Petolat. Tower crane rotatable on its base. 3,378,147, 4–16–68, Cl. 212—46.
Marrinan, Henry J., and E. I. Riseley, to Imperial Chemical Industries Ltd. Method for forming patterned sheet materials. 3,393,106, 7–16–68, Cl. 156—232.
Marriott, Anthony G.: *See*—
Smith, John L., and Marriott. 3,377,194.
Marriott Corp.: *See*—
Spangler, Eugene C. 3,373,783.
Marriott, James G., to Libbey-Owens-Ford Glass Co. Electrically heated transparent panel and protective circuit therefor. 3,379,859, 4–23–68, Cl. 219—522.
Marriott, Jean A.: *See*—
Petrocelli, Americo W., Marriott, Turco, and Capotosto. 3,407,129.
Marriott, John: *See*—
Derham, Leslie J., and Marriott. 3,413,088.
Marrs, Doyle G.: *See*—
Strange, Lloyd K., and Marrs. 3,385,362.
Marsch, Lawrence F.: *See*—
Richmond, Robert C., and Marsch. 3,402,729.
Marschall, Hans: *See*—
Heidemann, Georg, Marschall, and Malhofer. 3,390,523.
Marschall, Henry L., to FMC Corp. Magnesia refractory and method of producing same. 3,404,016, 10–1–68, Cl. 106—60.
Marschall, Otto: *See*—
Weingartner, Bernhard, Kovacs, and Marschall. 3,402,-371.
Marschall, Otto, to Akustische u. Kino-Gerate Gesellschaft m.b.H. Telephone handset with pressure gradient microphone substituted for carbon microphone. 3,414,675, 12–3–68, Cl. 179—1.
Marschhausen, Clayton J. Retractable board holder for printing presses. 3,380,598, 4–30–68, Cl. 214—6.
Marsden, James G., and S. Sterman, to Union Carbide Corp. Filled inorganic structural compositions having improved strength. 3,382,083, 5–7–68, Cl. 106—98.
Marsden, James G., and S. Sterman, to Union Carbide Corp. Anti-static agents for glass fiber materials. 3,418,094, 12–24–68, Cl. 65—3.
Marsden, John D., to The General Electric Co., Ltd. Conveyor arrangements. 3,370,693, 2–27–68, Cl. 198—34.
Marsen, Richard A.: *See*—
Mayer, Helmut O. 3,374,667.
Marsh, Byron E.: *See*—
Mosier, Benjamin, McCorkle, Du Brow, and Marsh. 3,414,517.
Marsh, Byron E., and R. J. Betty, Jr., to Armour Industrial Chemical Co. Paraffin deposition control. 3,416,605. 12–17–68, Cl. 166—38.
Marsh, Dale: *See*—
Giannone, Charles, and Marsh. 3,376,368.
Marsh, De Loss L.: *See*—
Butler, Stanley C., and Marsh. 3,365,837.
Butler, Stanley C., and Marsh. 3,365,838.
Butler, Stanley C., and Marsh. 3,391,486.
Marsh, Donald B., to Westinghouse Air Brake Co. Fail-safe standard amplitude signal sources. 3,401,274, 9–10–68, Cl. 307—297.
Marsh, Elliott R., A. A. Magdall, and F. R. Rausch, to International Business Machines Corp. Data multiplexing system. 3,377,619, 4–9–68, Cl. 340—172.5.
Marsh, Francis X., and T. Pasch, to Continental Motors Corp. Vibration absorber. 3,388,772, 6–18–68, Cl. 188—1.
Marsh, Frank D., to E. I. du Pont de Nemours and Co. Cyanogen azide, compositions containing this compound and the preparation of the same from cyanogen halides and metal azides. 3,410,658, 11–12–68, Cl. 23—204.
Marsh, Frank D., and D. N. Thatcher, to E. I. du Pont de Nemours and Co. Preparation of expanded cellular products. 3,374,188, 3–19–68, Cl. 260—2.5.
Marsh, Glenn A., to Union Oil Co. of California. Method and apparatus for measuring corrosion rate. 3,398,065, 8–20–68, Cl. 204—1.
Marsh, James T.: *See*—
Aiken, Howard H., Marsh, and Parvin. 3,409,127.
Aiken, Howard H., Marsh, and Parvin. 3,419,141.
Marsh, Jerald S., to Viking Pump Co. Pump. 3,374,748, 3–26–68, Cl. 103—126.
Marsh, Kenneth R. Combined junk basket. 3,378,089, 4–16–68, Cl. 175—308.
Marsh, Lynn W., Jr., to Anelex Corporation. Demand controlled print rate equalizer for high speed printers. 3,366,-044, 1–30–68, Cl. 101—93.
Marsh, Marvin D., and J. E. Pence; said Pence, assor. to said Marsh. Board game apparatus with letter selecting dice. 3,405,943. 10–15–68, Cl. 273—135.
Marsh, Ogden J.: *See*—
Mayer, James W., Marsh, Baron, and Picus. 3,385,981.
Marsh, Virgil L.: *See*—
Grau, Thomas G., and Marsh. 3,401,367.
Marsh, Wilfred B., and W. M. Thode, to Art Color Printing Co. Optical scanning method for preparing etching resists. 3,394,652, 7–30–68, Cl. 101—401.1.

Marsh, William B.: *See*—
Barstow, Alva K., and Marsh. 3,393,288.
Marsh, William J., to The Coleman Co., Inc. Snuffer and handle assembly for a catalytic heater. 3,382,027, 5–7–68, Cl. 431—147.
Marsh, William S., A. L. Garretson, and K. V. Rao, to Chas. Pfizer & Co., Inc. Streptonigrin antibiotics and process for their production. 3,372,090, 3–5–68, Cl. 167—65.
Marshack, Irving L., to Califoam Corp. of America. Heat insulated conduit and method of making same. 3,415,288. 12–10–68, Cl. 138—141.
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Martel, Jacques, and C. Huynh, to Roussel-UCLAF. Saturated thiapyran-3-one-1,1-dioxides and their preparation. 3,398,-160, 8–20–68, Cl. 260—327.
Martel, Robert W., and R. M. Ferguson, to Xerox Corp. Electrical charging utilizing a two-phased liquid medium. 3,398,336, 8–20–68, Cl. 317—262.
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Martin, Charles F. Submarine pipeline trenching machine. 3,411,307, 11–19–68, Cl. 61—72.4.
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Casellas, Juan. 3,406,521.
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Martin, Edward J., and E. L. Malone. Fish stringer and conveying device. 3,387,752, 6–11–68, Cl. 224—7.
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Martin, Emmet L., to American Coleman Co. Hydraulic suspension system for motor vehicles. 3,380,748, 4–30–68, Cl. 280—6.
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Martin, Francis W., to Corning Glass Works. Process for producing seals. 3,410,674, 11–12–68, Cl. 65—33.
Martin, Frank A. Device for toasting the interior of buns. 3,377,943, 4–16–68, Cl. 99—419.
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Martin, Geoffrey, to Avco Corp. Method of cleaning and fluxless brazing of aluminum and aluminum alloys. 3,370,343, 2-27-68, Cl. 29—494.

Martin, George, to American Standard, Inc. Piping systems. 3,402,731, 9-24-68, Cl. 137—375.

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Martin, Gerard, to Societe anonyme dite Compagnie des Freins et Signaux Westinghouse. Logic protection circuits for effecting an A.B. operation having a combined and/not function. 3,408,507, 10-29-68, Cl. 307—210.

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Martin, Harold W., to Westinghouse Electric Corp. Steam iron. 3,368,294, 2-13-68, Cl. 38—77.

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Martin, Jack L. Buffer member for tree shaking device. 3,414,314, 12-3-68, Cl. 294—103.

Martin, Jack L. Tree shaking device. 3,415,565, 12-10-68, Cl. 294—103.

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Martin, James. Firing mechanisms suitable for aircraft seat ejection devices. 3,365,150, 1-23-68, Cl. 244—122.

Martin, James A., and A. D. De Lozier. Amphibious camper apparatus. 3,414,916, 12-10-68, Cl. 9—1.

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Martin, James B., to The Procter & Gamble Co. Acidic lipid anhydrides. 3,371,102, 2-27-68, Cl. 260—347.4.

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Martin, James B., and R. A. Volpenhein, to The Procter & Gamble Co. Process for synthesizing specific complete mixed polyol esters. 3,410,881, 11-12-68, Cl. 260—404.8.

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Martin, James C., to Eastman Kodak Co. 3-(Aminomethyl) cyclobutanones. 3,379,724, 4-23-68, Cl. 260—247.7.

Martin, James C., to Eastman Kodak Co. Alkoxyvinylcyclobutanone compounds and process for their preparation. 3,390,185, 6-25-68, Cl. 260—586.

Martin, James C., to Eastman Kodak Co. 3-amino-2-cyclobuten-1-one compounds and process for their preparation. 3,408,344, 10-29-68, Cl. 260—239.

Martin, James C., to Eastman Kodak Co. 2-cyclobuten-1-one compounds and process for their preparation. 3,408,398, 10-29-68, Cl. 260—586.

Martin, James C., to Eastman Kodak Co. 3-acyloxycyclobutanones. 3,410,892, 11-12-68, Cl. 260—476.

Martin, James C., and K. C. Brannock, to Eastman Kodak Co. Azinediones. 3,373,159, 3-12-68, Cl. 260—244.

Martin, James C., and P. G. Gott, to Eastman Kodak Co. 4H-1,3-oxazine-4,6(5H)-diones and their preparation. 3,394,132, 7-23-68, Cl. 260—244.

Martin, James C., and R. H. Meen, to Eastman Kodak Co. Azinediones. 3,408,348, 10-29-68, Cl. 260—243.

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Martin, James H., Jr., to E. I. du Pont de Nemours and Co. Long ends detector. 3,407,692, 10-29-68, Cl. 83—522.

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Martin, Jean, and J. R. Andrieu, to Societe d'Etudes Chimiques Pour l'Industrie et l'Agriculture. Process for the preparation of potassium phosphate. 3,378,340, 4-16-68, Cl. 23—106.

Martin, Jean C. and C., to Societe Rhodiaceta. Process and apparatus for producing high-bulk synthetic yarns. 3,408,277, 10-29-68, Cl. 264—168.

Martin, Jerald R. Measuring instrument. 3,399,459, 9-3-68, Cl. 33—111.

Martin, Jerome L., to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,373,031, 3-12-68, Cl. 99—2.

Martin, Jerome L., to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,373,032, 3-12-68, Cl. 99—2.

Martin, Jerome L., to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,373,035, 3-12-68, Cl. 99—2.

Martin, Jerry L., to Truth Tool Co. Check rail lock. 3,394,955. 7-30-68, Cl. 292—113.

Martin, Jerry L., to Truth Tool Co. Roller assembly for a sliding closure. 3,416,183, 12-17-68, Cl. 16—105.

Martin, Johannes J. Chute. 3,378,124, 4-16-68, Cl. 193—2.

Martin, Johannes J. Industrial furnace. 3,418,996, 12-31-68, Cl. 126—152.

Martin, John, to Fabricacion de Maquinas. Method of manufacture of rolls for glass drawing machinery. 3,364,546, 1-23-68, Cl. 29—148.4.

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Martin, John C., to Bunn-O-Matic Corp. Cold water pour in beverage maker. 3,385,201, 5-28-68, Cl. 99—282.

Martin, John D. Attachment for radial arm saws. 3,381,724, 5-7-68, Cl. 143—6.

Martin, John D., D. J. Norton, E. I. White, and W. E. New, to Westinghouse Brake and Signal Co., Ltd. Central to remote signalling system having counter controlled information transmission. 3,383,658, 5-14-68, Cl. 340—163.

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Martin, John E., to Tampo Mfg. Co. Vibratory earth roller. 3,411,420, 11-19-68, Cl. 94—50.

Martin, John E. Filter utilizing glass balls for filtering fluids. 3,415,382, 12-10-68, Cl. 210—282.

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Martin, John J., to Pullman Inc. Chassis coupling arrangement. 3,402,943, 9-24-68, Cl. 280—415.

Martin, John L. Harvester for alfala and other forage crops. 3,410,065, 11-12-68, Cl. 56—23.

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Martin, John W., to United States of America, Interior. Drift drogue. 3,418,852, 12-31-68, Cl. 73—189.

Martin, John W., and R. J. Rosser, to Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, Minister of Supply. Rocketwise propelled projectiles. 3,401,634, 9-17-68, Cl. 102—49.7.

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Martin, Joseph A., to American Machine & Foundry Co. Apparatus for measuring the width of transient pulses. 3,393,361, 7-16-68, Cl. 324—68.

Martin, Joseph E. Heat treating furnaces. 3,386,719, 6-4-8, Cl. 263—34.

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Martin, Lawrence F., to United States of America, Agriculture. Method for the accurate and specific analytical determination of glucose. 3,384,554, 5–21–68, Cl. 195—103.5.

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Martin, Leonard G. Ultrasonic dental cleaning and treatment device. 3,401,690, 9–17–68, Cl. 128—172.1.

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Martin, Robert M. Ankle device for supporting an individual in an inverted position. 3,380,447, 4–30–68, Cl. 128—75.

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Maruzen Oil Co., Ltd.: *See*—
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Maruzen Swing Machine Co. Ltd.: *See*—
Okuda, Makoto. 3,393,865.
Okuda, Makoto. 3,393,866.
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Marvay, George: *See*—
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Marvel Engineering Co.: *See*—
Kudlaty, Walter J. 3,371,787.
Kudlaty, Walter J. 3,374,890.
Kudlaty, Walter J. 3,380,745.
Kudlaty, Walter J. 3,411,477.
Kudlaty, Walter J., Luchetta, and Sochor. 3,371,790.
Kudlaty, Walter J., and Niccum. 3,384,242.

Marvid, Ethel M. Ankle and shin bone guard. 3,416,156, 12–17–68, Cl. 2—22.

Marvin Electric Mfg. Co.: *See*—
Docimo, Peter J. 3,361,904.
Docimo, Peter J. 3,381,123.

Marvin, Ira E., to General Electric Co. Temperature indicating means for gas turbine engines. 3,377,848, 4–16–68, Cl. 73—117.3.

Marvin, Orrin F. Process for the concentration of beryllium and aluminum minerals. 3,377,159. 4–9–68, Cl. 75—101.

Marvin, Richard H., to The Budd Co. Timed impact tester. 3,408,852, 11–5–68, Cl. 73—12.

Marwil, Stanley J., and R. G. Wallace, to Phillips Petroleum Co. Solids recovery from a flowing stream. 3,374,211, 3–19–68, Cl. 260—88.2.

Marwood Enterprises Inc.: *See*—
Hilyard, Harold W. 3,416,588.

Marx, Erwin: *See*—
Marx, Erwin O., Grosskopf, Kruckewitt, Ann, Erk, Schmitz, and Mollenhoff. 3,384,724.

Marx, Erwin O., R. E. Grosskopf, W. Kruckewitt, H. Ann, A. Erk, L. Schmitz, and K. Mollenhoff, to E. Marx. Circuit breaker with liquid arc quenching. 3,384,724, 5–21–68, Cl. 200—150.

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Marx, Gerhard: *See*—
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Marx, Gerhard, to Azoplate Corp. Apparatus for developing latent electrostatic images. 3,392,707, 7–16–68, Cl. 118—637.

Marx, Guilherme S. Cam operated valve. 3,381,934, 5–7–68, Cl. 251—260.

Marx, Hans B., to Burroughs Corp. Interface control module for modular computer system and plural peripheral devices. 3,416,139, 12–10–68, Cl. 340—172.5.

Marx, Hans B., B. W. Nutting, and T. Marra, to Burroughs Corp. Input/output control system for electronic computers. 3,419,852, 12–31–68, Cl. 340—172.5.

Marx, Harry Z.: *See*—
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Marx, Louis, & Co., Inc.: *See*—
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Case, Noel L., and Tuschak. 3,400,667.
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Marx, Michael F., and R. G. Buscher, to United States of America, Navy. Frequency deviation sensing device. 3,404,345, 10–1–68, Cl. 328—141.

Marx, Robert D. Bottom loading control system with transient closing and liquid level controls. 3,404,703, 10–8–68, Cl. 137—390.

Marx, Sue E., M. M. Wartell, M. Ferar, and H. G. Langhjelm, said Ferar and Langhjelm assors. to said Marx and Wartell. Removable button fastening means. 3,401,433, 9–17–68, Cl. 24—104.

Marx, Walter S., Jr., and C. P. Collier, to Printing Arts Research Laboratories, Inc. Process for the production of projection transparencies. 3,418,468, 12–24–68, Cl. 250—65.

Marx, Werner: *See*—
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Marx, Werner, to Schloemann Aktiengesellschaft. Means for adjusting the end walls of the roll gap of rolling mills for the production of sheets or strips from particles particularly metal particles. 3,412,428, 11–26–68, Cl. 18—9.

Mary, Donald J.: *See*—
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Mary, Francis: *See*—
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Gerben, Ralph D. 3,386,599.
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Maryland, Howard R. Iceless freezer chest. 3,410,109, 11–12–68, Cl. 62—457.

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Marzocchi, Alfred, to Owens-Corning Fiberglas Corp. Glass fiber-elastomeric systems treated with mercaptan-containing organo silane anchoring agents. 3,364,059, 1–16–68, Cl. 117—72.

Marzocchi, Alfred, to Owens-Corning Fiberglas Corp. Belts and other glass fiber-elastomeric structures and method of manufacture. 3,371,548, 3–5–68, Cl. 74—234.

Marzocchi, Alfred, to Owens-Corning Fiberglas Corp. Method for the manufacture of reinforced plastic foams. 3,382,302, 5–7–68, Cl. 264—45.

Marzocchi, Alfred, to Owens-Corning Fiberglas Corp. Glass fibers treated for combination with elastomeric materials and method. 3,391,052, 7–2–68, Cl. 161—176.

Marzocchi, Alfred, to Owens-Corning Fiberglas Corp. Glass fiber reinforced elastomers and composition for sizing and impregnating such glass fiber systems. 3,402,064, 9–17–68, Cl. 117—72.

Marzocchi, Alfred, to Owens-Corning Fiberglas Corp. Elastomeric-glass fiber products and process and elements for use in same. 3,413,186, 11–26–68, Cl. 161—176.

Marzocchi, Alfred, and N. S. Janetos, to Owens-Corning Fiberglas Corp. Structures formed of glass fiber-elastomer systems. 3,387,990, 6–11–68, Cl. 117—177.

Marzocchi, Alfred, and F. J. Lachut, to Owens-Corning Fiberglas Corp. Tire reinforcing system. 3,390,714, 7–2–68, Cl. 152—356.

Marzocchi, Alfred, G. E. Benson, and R. W. Roth, to Owens-Corning Fiberglas Corp. Bulky yarn. 3,410,077, 11–12–68, Cl. 57—144.

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Mas, Joseph A., to Dynamic Instrument Corp. Power supply and improved transformer structure therefor. 3,371,302, 2–27–68, Cl. 336—92.

Mas, Joseph A., to Dynamic Instrument Corp. Direct current inverter for operating alternating current devices. 3,376,491, 4–2–68, Cl. 321—25.

Mas, Robert J.: *See*—
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Mas, Robert J., and A. L. Michaud, to Fabriques de Produits Chimiques de Thann et de Mulhouse. Process and apparatus for the production of metal oxides. 3,403,001, 9–24–68, Cl. 23—202.

Mas, Roland G., to Commissariat a l'Energie Atomique. Device for securing remote-control manipulators against rotation. 3,410,419, 11–12–68, Cl. 214—1.

Masaki, Sumi, T. Ohmori, T. Hoshino, and Y. Fujiwara to Nippon Oil Co., Ltd. Process for the production of saturated carbonyl compounds from unsaturated hydrocarbons. 3,400,160, 9–3–68, Cl. 260—597.

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Masamune, Shinobu, Y. Suzuki, Y. Okabe, M. Sagara, and H. Sagami, to Mitsubishi Petrochemical Co., Ltd. Process for hydrodealkylating alkyl-substituted aromatic hydrocarbons. 3,402,214, 9–17–68, Cl. 260—672.

Masawaki, Keizo: *See*—
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Mascarello, Jean, Y. Dumas, and F. Mary, to Electricite de France Service National. Hydraulic disposal plant for pulverulent products. 3,382,011, 5–7–68 Cl. 302—14.

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Maschinenfabrik Augsburg-Nurnberg, A.G.: *See*—
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Scobel, Hugo, and Steidle. 3,413,709.

Maschinenfabrik August Herbort K.G.: *See*—
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Maschinenfabrik Benhil: *See*—
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Maschinenfabrik Benninger AG: *See*—
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Maschinenfabrik Buckau R. Wolf Aktiengesellschaft: *See*—
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Maschinenfabrik Goebel G.m.b.H.: *See*—
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Maschinenfabrik Habegger: *See*—
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Maschinenfabrik Korfmann G.m.b.H.: *See*—
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Maschinenfabrik Moenus A.G.: *See*—
Keller, Hans-Otto. 3,397,415.
Maschinenfabrik Oerlikon: *See*—
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Bleibtreu, Alexander, and Poppl. 3,366,763.
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Maschinenfabrik Vits G.m.b.H.: *See*—
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Maschke, Alfred W., to United States of America, Atomic Energy Commission. Particle accelerator including means for transferring particles between accelerator and storage ring. 3,386,040, 5–28–68, Cl. 328—235.

Masciantonio, Philip X., to United States Steel Corp. Method of purifying coke-works waste liquor. 3,373,085, 3–12–68, Cl. 201—21.

Masciantonio, Philip X., and M. H. Wilt, to United States Steel Corp. Method of preventing crystals from forming in creosote and the resulting product. 3,376,212, 4–2–68, Cl. 208—2.

Masciantonio, Philip X., and W. E. Peoples, to United States Steel Corp. Method of recovering quinoline bases. 3,390,151, 6–25–68, Cl. 260—283.

Masciantonio, Philip X., and F. P. Mullooly, to United States Steel Corp. Method of recovering monoethylnaphthalenes. 3,412,168, 11–19–68, Cl. 260—674.

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Mase, Gerald D., and P. O. Powers, to Standard Oil Co. Hot melt adhesives containing poly-dimethyl alpha-methyl styrene-resin. 3,401,131, 9–10–68, Cl. 260—28.5.

Masel, Marvin, to General Precision Inc. Electrical divider arrangement for receiving analog A-C inputs and yielding an output corresponding to the quotient. 3,364,341, 1–16–68, Cl. 235—196.

Masen, John M., to La Huis Clinical Laboratories, Inc. Method of determining thyroxin iodine in blood serum. 3,389,968, 6–25–68, Cl. 23—230.

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Masera, Arturo. Device for locking tracked vehicles, in particular excavators and the like. 3,371,735, 3–5–68, Cl. 180—9.62.

Mash, Derek H., to International Standard Electric Corp. Varactor diode with means for changing voltage-to-capacitance ratio. 3,404,320, 10–1–68, Cl. 317—234.

Masheder, Henry. Wedge type ball valve with separate actuators. 3,390,861, 7–2–68, Cl. 251—161.

Masher, Dale P.: *See*—
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Masi, Anthony. Matchplate support assembly. 3,417,811, 12–24–68, Cl. 164—240.

Masi, Lawrence R. Non-refillable bottle cap. 3,407,955, 10–29–68, Cl. 215—22.

Masich, Michael: *See*—
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Masita, Artur: *See*—
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Maskal, John: *See*—
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Maskalick, Nicholas J., to IRC, Inc. Method of making single crystal films and the product resulting therefrom. 3,392,056, 7–9–68, Cl. 117—227.

Maske, Arthur. Plug retriever. 3,404,482, 10–8–68, Cl. 43—17.2.

Maskell, Clifford W. A., to United Kingdom Atomic Energy Authority. Non-thermionic glow discharge device having a hollow electrode assembly. 3,418,515, 12–24–68, Cl. 313—231.

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Maskey, Donald F., and L. A. Cox, to The Buckeye Cellulose Corp. Pliable absorbent, bonded paper laminates. 3,366,532, 1–30–68, Cl. 161—159.

Maslow, John, and M. Davidoff. Dispenser device. 3,361,504, 1–2–68, Cl. 312—45.

Maslow, Philip H., to W. R. Grace & Co. Sealing compositions comprising halogenated butyl rubber, drying oil and liquid polyisobutylene. 3,400,090, 9–3–68, Cl. 260—23.7.

Masoero, Arthur R., to The Boeing Co. Porous ceramic oxides and method. 3,393,079, 7–16–68, Cl. 106—40.

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Mason, Arthur E., to The Associated Portland Cement Mfg. Ltd. Recorder with pivotally mounted chart transport unit. 3,372,399, 3–5–68, Cl. 346—49.

Mason, Cary H., Jr. Counting and stacking apparatus for tortillas or the like. 3,393,645, 7–23–68, Cl. 107—45.

Mason, Colin J., ¼ to J. Mason, ¼ to J. D. Hoppett, and ¼ to N. P. Stead. Record disc and play-back apparatus. 3,363,054, 1–9–68, Cl. 178—6.7.

Mason, Collins: *See*—
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Mason, Daniel F. Diver's weight belt. 3,374,636, 3–26–68, Cl. 61—70.

Mason, Donald J.: *See*—
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Mason, Donald J., and C. E. Meyer, to The Upjohn Co. Antibiotics and process for producing the same using streptomyces caelestis. 3,364,115, 1–16–68, Cl. 167—65.

Mason, Donald J., and A. D. Argoudelis, to The Upjohn Co. Lincomycin S and process for producing the same. 3,395,139, 7–30–68, Cl. 260—210.

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Mason, Frederick P., to Creed & Co. Ltd. Keyboard blocking arrangement. 3,403,766, 10–1–68, Cl. 197—107.

Mason, Frederick P., and J. W. Peters, to Creed & Co. Ltd. Telegraph line termination means with switching from high sampling rate to low sampling rate or detection of an incoming signal. 3,404,233, 10–1–68, Cl. 178—88.

Mason, Garry R.: *See*—
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Mason, George W.: *See*—
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Mason, Gussie. Isometric exercise boots. 3,406,968, 10–22–68, Cl. 272—57.

Mason, Harry L., to United States of America, Navy. Dynamic blast closure valve. 3,363,540, 1–16–68, Cl. 98—119.

Mason, Harry L., to United States of America, Navy. Pressure actuated valve. 3,412,755, 11–26–68, Cl. 137—517.

Mason, Howard C. Saw apparatus. 3,379,227, 4–23–68, Cl. 143—47.

Mason, Hugh R.: *See*—
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Mason, James A.: *See*—
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Mason, James N., and M. M. Kahn, to American Biltrite Rubber Co., Inc. Composite carpet matting and method of making the same. 3,400,039, 9–3–68, Cl. 161—63.

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Mason, Keith K., to Castings & Forgings Pty. Ltd. Inspection hold closure assembly. 3,408,778, 11–5–68, Cl. 52—20.
Mason, Lawrence M.: *See*—
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Mason, Leonard. Illuminated sign. 3,414,999, 12–10–68, Cl. 40—132.
Mason, Leslie F. A., and A. M. Sinclair, to Ilford Ltd. Photographic developing compositions. 3,380,829, 4–30–68, Cl. 96—66.
Mason, Paul B.: *See*—
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Mason, Paul J., to Allied Chemical Corp. Flame-retardant, nonshrinking urea-formaldehyde foams. 3,414,526, 12–3–68, Cl. 260—2.5.
Mason, Ralph A., to Creed & Co. Ltd. Intermittent tape feed. 3,384,281, 5–21–68, Cl. 226—25.
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Hamner, Glen P., and Mason. 3,404,085.
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Mason, Ralph B., G. P. Hamner, and C. E. Adams, to Esso Research and Engineering Co. Process for desulfurization by hydrolysis with metals on charcoal base catalysts. 3,367,-862, 2–6–68, Cl. 208—243.
Mason, Ralph B., and G. P. Hamner, to Esso Research and Engineering Co. Process for recovering vanadium valves from crude residua. 3,384,448, 5–21–68, Cl. 23—20.
Mason, Ralph B., and G. P. Hamner, to Esso Research and Engineering Co. Hydrocracking catalyst compositions and processes utilizing a crystalline aluminosilicate promoted with zinc and a group VIB metal compound. 3,392,106, 7–9–68. Cl. 208—59.
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Fuerst, Edwin E., and Mason. 3,398,428.
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Mason, Roland B., and G. P. Hamner, to Esso Research and Engineering Co. Process for preparing mixed nonoble metal catalyst compositions and processes utilizing same. 3,392,-108, 7–9–68, Cl. 208—111.
Mason, Ronald F., and J. L. Van Winkle, to Shell Oil Co. Bicyclic heterocyclic sec- and tert-phosphines. 3,400,163, 9–3–68, Cl. 260—606.5.
Mason, Ronald F., and J. L. Van Winkle, to Shell Oil Co. Hydrocarbylene-bis(monophosphabicyclononanes) and the preparation thereof. 3,401,204, 9–10–68, Cl. 260—606.5.
Mason, Ronald T.: *See*—
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Mason, Roy G., to Intercontinental Systems Inc. Electric typewriter with separate carrier return and indexing mechanism. 3,394,791, 7–30–68, Cl. 197—65.
Mason, Thomas A., to Container Corp. of America. Easy open device for a carton. 3,361,332, 1–2–68, Cl. 229—51.
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Miller, Jack M., and Masoner. 3,389,568.
Maspero, Pierluigi. Joint for converging supporting elements, particularly for corner structures of furniture. 3,399,912, 9–3–68, Cl. 287—54.
Massa, Anthony G. Cutting device for pipes and the like. 3,379,080, 4–23–68, Cl. 82—61.
Massa Division, Dynamics Corp. of America: *See*—
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Massa Frank, Jr. 3,363,227.
Massa, Dominick A., to Warwick Electronics Inc. Television tube shield and mounting structure. 3,369,074, 2–13–68, Cl. 178—7.82.
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Massa, Frank, to Massa Division, Dynamics Corp. of America. Coaxially mounted line hydrophone. 3,418,624, 12–24–68, Cl. 340—9.
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Carbone, Robert J., and Longaker. 3,381,136.
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Connelly, Mark E. 3,384,739.
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Massano, Ettore, to Automatic Electric Laboratories, Inc. Absorption wavemeter. 3,413,577, 11–26–68, Cl. 333—82.
Massard, Andre, to Automobiles M. Berliet. Device for reducing the exhaust smoke of a combustion engine. 3,413,966, 12–3–68. Cl. 123—139.
Massarotti, Luigi. Inlet manifold for internal-combustion engines. 3,363,610, 1–16–68, Cl. 123—52.
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Massengale, John T., to FMC Corp. Paper containing oxidized polybutadiene for improved wet strength. 3,392,047, 7–9–68, Cl. 117—155.
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Masser, Lloyd D., to Neway Equipment Co. Brake actuating apparatus. 3,402,792, 9–24–68, Cl. 188—170.
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Massey, Alton A., to The Firewel Co., Inc. Apparatus for transporting a stream of cryogenic liquified gas. 3,418,822, 12–31–68, Cl. 62—55.
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Wenzel, Alfred J., and Hantel. 3,385,609.
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Gullickson, Myron L. 3,362,143.
Hirsch, Walter, and Weber. 3,383,845.
Hubenaar, Peter T. 3,405,512.
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Newhouse, Frank J. 3,384,194.
Twidale, William H. 3,362,483.
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Williams, Derrick G. 3,405,823.
Yapp, Robert E., and Metcalfe. 3,371,479.
Massey, Cecil, to United Kingdom Atomic Energy Authority. Concrete pressure vessels. 3,398,493, 8–27–68. Cl. 52—230.
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Massey, James L., to Codex Corp. Error detection and correction in signal transmission by use of convolution codes. 3,402,393, 9–17–68, Cl. 340—172.5.
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Masson, Claude M. E., to Societe d'Electronique et d'Automatisme. Read-out circuitry for high density dynamic magnetic stores. 3,408,640, 10-29-68, Cl. 340—174.1.

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Massoubre, Jean-Marie, to Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie. Back flow-preventing reactor for continuous polymerization. 3,362,793, 1-9-68, Cl. 23—285.

Massoubre, Jean-Marie, to Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie. Tire casing signaling conditions on relatively moving members of a vehicle. 3,374,460, 3-19-68, Cl. 340—58.

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Massoubre, Jean-Marie, to Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie. Reactor and mixer for continuous polymerization. 3,386,809, 6-4-68, Cl. 23—285.

Massoubre, Jean-Marie, to Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie. Vehicle tire. 3,395,745, 8-6-68, Cl. 152—361.

Massoubre, Jean-Marie, to Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie. Lacquer and glue and processes of using the same. 3,396,063, 8-6-68, Cl. 156—331.

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Mast, Fred, to Gretag Aktiengesellschaft. Apparatus for transducing infra-red images into visible images utilizing a liquid light control layer. 3,397,313, 8-13-68, Cl. 250—83.

Mast, Raymond L., to Miles Laboratories, Inc. Test composition, device and method for detecting urea in aqueous fluids. 3,395,082, 7-30-68, Cl. 195—103.5.

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Masters, John E., and D. D. Hicks, to Celanese Coatings Co. Polyester resin compositions and methods. 3,376,273, 4-2-68, Cl. 260—78.4.

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Masters, Robert W., to Melpar, Inc. Multi-channel slot antenna for ultra high frequencies. 3,369,244, 2-13-68, Cl. 343—771.

Masters, Steven G., and W. D. Poats, to E. I. du Pont de Nemours and Co. Dryer seal. 3,403,457, 10-1-68, Cl. 34—242.

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Masterson, Earl E., to Honeywell Inc. Flexure interposer. 3,411,709, 11-19-68, Cl. 234—115.

Masterson, Earl E., D. W. Bernard, C. Wang, and M. S. Shebanow, to Honeywell Inc. Punch interposer arrangement and associated selection means. 3,412,932, 11-26-68, Cl. 234—115.

Masterson, Earl E., and F. H. Schaller, to Honeywell Inc. Record input/output apparatus. 3,416,788, 12-17-68, Cl. 271—3.

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Masuda, Noboru, to Denki-Onkyo Kabushiki-Kaisha. High speed recording apparatus for television images and the like. 3,417,197, 12-17-68, Cl. 178—6.6.

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Matchen, Ben, to Norton Company. Preparation of molyb- 2–6–68, Cl. 23—204.

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McCandless, William, to Owens-Illinois, Inc. Apparatus for forming drum-like containers. 3,412,654, 11–26–68, Cl. 93—55.1.
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Easton, Roger L., and McCaskill. 3,406,397.
McCaul, Paul F., and R. L. Granata, to United States of America, National Aeronautics and Space Administration. Sidereal frequency generator. 3,417,316, 12–17–68, Cl. 321—60.
McCaully, Ronald J.: *See*—
Bell, Stanley C., McCaully, and Childress. 3,382,243.
McCaully, Ronald J., to American Home Products Corp. 2,3,4,5 - tetrahydro-2-oxo-1H-1,4-benzodiazepine-3-carboxylic acid, esters and related compounds. 3,410,844, 11–12–68, Cl. 260—239.3.
McCawley, Frank X.: *See*—
Wyche, Charlie, McCawley, and Schlain. 3,369,978.
McCay, Thomas E., to Kaymet Electronics Inc. Automatic telephone operated switch. 3,412,213, 11–19–68, Cl. 179—81.
McChesney, Evan W.: *See*—
Dennis, Emery W., McChesney, and Surrey. 3,415,932.
McChesney, Jack, to Coca-Cola Bottling Co. Truck body. 3,415,567, 12–10–68, Cl. 296—3.
McClaflin, Gifford G.: *See*—
Miller, Donald B., and McClaflin. 3,380,981.
McClaflin, Gifford G., to Continental Oil Co. Polymerization catalyst. 3,405,113, 10–8–68. Cl. 260—93.5.
McClaflin, Robert D., and T. N. Tilman, to Jennings Radio Mfg. Corp. High current radio frequency switch. 3,368,049, 2–6–68, Cl. 200—144.
McClaflin, Robert D., and T. N. Tilman, to Jennings Radio Mfg. Corp. Coaxial switch. 3,394,324, 7–23–68, Cl. 333—975.
McClain, Dorothee M.: *See*—
Rowland, Stanley P., McClain, and Maringer. 3,411,967.
McClain, Dorothee M., to National Distillers and Chemical Corp. Process for the preparation of aliphatic amines. 3,412,158, 11–19–68, Cl. 260—585.
McClain, Dorothee M., to National Distillers and Chemical Corp. Process of preparing latices of submicron size particles of ethylene polymers. 3,418,265, 12–24–68, Cl. 260—29.6.
McClain, Dorothee M., and I. L. Mador, to National Distillers and Chemical Corp. Process for aliphatic nitriles. 3,396,190, 8–6–68, Cl. 260—465.1.
McClain, Dorothee M., and I. L. Mador, to National Distillers and Chemical Corp. Process for the preparation of aliphatic nitriles. 3,412,136, 11–19–68, Cl. 260—465.3.
McClain, Sam D. Ink and water fountain roller controls for printing press. 3,387,558, 6–11–68, Cl. 101—351.
McClain, Thomas H., and C. T. Igo. Combination receptacle and bottle sealing apparatus. 3,381,838. 5–7–68, Cl. 215—41.
McClanahan, Robert M.: *See*—
Sherer, Abraham I., and McClanahan. 3,367,875.
McClanahan, William I.: *See*—
Albers, George F., and McClanahan. 3,383,197.
McClaren, Jay L. Method and apparatus for conditioning grain. 3,380,174, 4–30–68, Cl. 34—26.
McClaren, Jay L. Method and apparatus for conditioning grain. 3,400,466, 9–10–68, Cl. 34—25.
McClary, Jimmy E.: *See*—
Luftglass, Murray A., and McClary. 3,413,249.
McClean, William G., to A. O. Smith Corp. Apparatus for winding articles. 3,378,427, 4–16–68, Cl. 156—431.
McCleary, Robert E.: *See*—
Kinkade, William A., and McCleary. 3,415,910.
McCleerey, Earl W., to Westinghouse Electric Corp. Iron. 3,372,498, 3–12–68, Cl. 38—77.
McClellan, Bingham A.: *See*—
Peters, John K., and McClellan. 3,389,490.
McClellan, Bingham A., and J. K. Peters, to Burke-Flexo Products Co. Jig type fish lure. 3,410,020, 11–12–68, Cl. 43—42.34.
McClellan, James M., Jr.: *See*—
Grace, Oscar M., and McClellan. 3,401,133.
McClellan, James M., Jr., S. L. Axelrood, and O. M. Grace, to Wyandotte Chemicals Corp. Polyurethane latices. 3,410,817, 11–12–68, Cl. 260—29.2.
McClellan, Leslie L., 49% to L. D. Friday. Trailer for motor bikes. 3,387,859, 6–11–68, Cl. 280—204.
McClellan, Malcolm B.: *See*—
Baker, Don R., Lukes, and McClellan. 3,376,314.
Fearing, Ralph B., and McClellan. 3,391,230.
McClellan, Melvin L., to Union Carbide Corp. Method of producing magnesium ferrosilicon. 3,375,104, 3–26–68, Cl. 75—129.
McClellan, Ralph E., to Meilink Steel Safe Co. Insulated closure constructions and methods of assembly thereof. 3,371,628, 3–5–68, Cl. 109—59.
McClellan, Stephen A. System for transporting and grouping objects. 3,404,775, 10–8–68, Cl. 209—111.6.
McClellan, Thomas R., and R. A. Kolakowski, to The Upjohn Co. Stabilized methylenebis(phenylisocyanate) compositions. 3,394,164, 7–23–68, Cl. 260—453.
McClellan, Thomas R., and R. A. Kolakowski, to The Upjohn Co. Stabilized methylenebis-(phenyl isocyanate) compositions. 3,394,165, 7–23–68, Cl. 260—453.
McClellan, William R. Heat treated bismuth molybdate on silica catalysts. 3,415,886, 12–10–68, Cl. 260—603.
McClelland, Donald H.: *See*—
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Shaw, Manuel, and McClelland. 3,393,093.
McClelland, Howard U., to Eaton Yale & Towne, Inc. Method of casting. 3,417,462, 12–24–68, Cl. 29—526.2.
McClelland, James F., Jr.: *See*—
Blake, Howard C., and McClelland. 3,416,644.
McClelland, Robert, to Automatic Sprinkler Corp. of America. Adjustable cross brace. 3,367,080, 2–6–68, Cl. 52—645.
McClenahan, Douglas S. Revolver latch mechanism. 3,387,399, 6–11–68, Cl. 42—62.
McClenan, Frank, to Mather & Platt Ltd. Folding leaf doors. 3,368,235, 2–13–68, Cl. 16—90.
McClennan, Morton. Gun drill guide. 3,361,014, 1–2–68, Cl. 77—55.
McClenny, Robert W. Apparatus for working, treating and planting soil. 3,398,707, 8–27–68, Cl. 111—85.
McClernon, Francis H. Device for measuring the cornea. 3,416,855, 12–17–68, Cl. 351—6.
McClintic, Bruce F., and R. L. Hughes, to General Electric Co. Velocity limiter. 3,397,759, 8–20–68, Cl. 188—96.
McClintock, Eugene P. Movable table for sewing drapery lengths. 3,400,674, 9–10–68, Cl. 112—2.
McClintock, Ross A.: *See*—
Bergman, Gunnar B., and McClintock. 3,407,766.
McClintock, Ross A., to Pike Corp. of America. Sub-sea working and drilling apparatus. 3,412,564. 11–26–68, Cl. 61—46.5.
McClintock, Ross A., and G. B. Bergman, to Pike Corp. of America. Stabilized floating apparatus. 3,407,767, 10–29–68, Cl. 114—.5.

McClinton, Arthur T.: *See*—
Gregory, John B., McClinton, and Whittington. 3,403,543.
McClister, Harry A., deceased (R. W. McClister and The Fidelity Bank, executors), to Delmor Lanes. Bowling scorer. 3,406,902, 10–22–68, Cl. 235—114.
McClister, Ruth W.: *See*—
McClister, Harry A. 3,406,902.
McClive, Ralph T. Cushioning material. 3,363,270, 1–16–68, Cl. 5—345.
McCloskey, Albert R., to The Hein-Universal Corp. Spherical bearing. 3,365,249, 1–23–68, Cl. 308—72.
McCloskey, Chester M., to Unimed, Inc. Production of beta-(2- or 4-pyridyl alkyl)-amines. 3,410,861, 11–12–68, Cl. 260—296.
McCloskey, John: *See*—
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McClosky, Robert B. Apparatus for making sealed packages. 3,378,988, 4–23–68, Cl. 53—180.
McCloud, Chester V. Half-bun baking pan. 3,385,205, 5–28–68, Cl. 99—439.
McCloud, James: *See*—
Erickson, John W., Konrad, and McCloud. 3,405,661.
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Rietz, Earl B., McCloud, Koenn, and Wall. 3,392,248.
McCloud, James R., to I-T-E Circuit Breaker Co. Elliptical tank structure for oil circuit breakers. 3,398,247, 8–20–68, Cl. 200—150.
McCloud, James R., and L. D. McConnell, to I-T-E Circuit Breaker Co. Single break oil circuit breaker structure. 3,392,249, 7–9–68, Cl. 200—150.
McCloud, James R., and L. D. McConnell, to I-T-E Circuit Breaker Co. Multi-break interrupter assembly. 3,414,695, 12–3–68, Cl. 200—150.
McClung, Robert A.: *See*—
Moses, Nelson K., and McClung. 3,361,351.
Moses, Nelson K., and McClung. 3,387,781.
McClure, Charles, Jr., to Westinghouse Electric Corp. Fuse having a sand core. 3,368,047, 2–6–68, Cl. 200—120.
McClure, Charles A. Method of crimping textile strands. 3,364,541, 1–23–68. Cl. 28—72.
McClure, Charles A. Strand treatment. 3,374,514, 3–26–68, Cl. 28—72.
McClure, David A.: *See*—
Levy, Louis, and McClure. 3,408,445.
McClure, Donald A., to United States of America, Navy. Output coupling method for push-pull power amplifier. 3,373,373, 3–12–68, Cl. 330—192.
McClure, Foster M. Hand swimming device. 3,382,515, 5–14–68, Cl. 9—307.
McClure, Gerald, to Boyne Products, Inc. Hazard warning switch with self-catching construction. 3,371,172, 2–27–68, Cl. 200—61.54.
McClure, Gerald, and R. F. Winogrocki, to Essex Wire Corp. Direction signaling apparatus. 3,413,426, 11–26–68, Cl. 200—61.
McClure, Glenn T.: *See*—
Mong, William K., and McClure. 3,385,638.
McClure, Glenn T., to Westinghouse Air Brake Co. Railway car truck brake assembly. 3,365,027, 1–23–68, Cl. 188—47.
McClure, Glenn T., and W. K. Mong, to Westinghouse Air Brake Co. Fluid pressure brake control apparatus. 3,370,893, 2–27–68. Cl. 303—36.
McClure, Glenn T., and W. K. Mong, to Westinghouse Air Brake Co. Fluid pressure operated brake apparatus for railway car trucks. 3,378,108, 4–16–68, Cl. 188—52.
McClure, James D., to Shell Oil Co. Aldehyde-olefin condensation process. 3,361,785, 1–2–68, Cl. 260—465.
McClure, Nancy R.: *See*—
Herzberger, Maximilian J., and McClure. 3,395,962.
McClure, Robert L., to Beaunit Corp. Process of producing acrylonitrile never dried cuprammonium cellulose rayon yarn graft polymers. 3,373,125, 3–12–68, Cl. 260—17.4.
McClure William F.: *See*—
Cogdell, David M., McClure, and Baggett. 3,395,829.
McClurg, Glenn O., H. N. Nerwin, and H. Puldak, to Magnaflux Corp. Magnetic leakage field and eddy current flaw detection system. 3,401,332, 9–10–68, Cl. 324—37.
McClusky, James K.: *See*—
Wilhelm, Harley A., and McClusky. 3,369,890.
McClusky, Lonnie N.: *See*—
McKnight, William B., McClusky, and Mangus. 3,366,346.
McClusky, Stanley A. Means and method for rapidly filling receptacles. 3,416,619, 12–17–68, Cl. 177—53.
McClusky, Stanley A. Bag filling and weighing machine. 3,416,620, 12–17–68, Cl. 177—123.
McColl, James: *See*—
Rengers, William C. G. V. W., and McColl. 3,403,065.
McColl, John D., and N. L. Potter, to The English Electric Co. Ltd. Convertor arrangements. 3,392,319, 7–9–68, Cl. 321—5.
McColl, John D., and F. L. Chubb, to Frank W. Horner Ltd. Substituted biurets. 3,407,193, 10–22–68, Cl. 260—239.
McColl, John W.: *See*—
Ferris, Ernest A., and McColl. 3,366,097.
McColl, John W., to Borg-Warner Corp. Commutator and method of making. 3,376,443, 4–2–68, Cl. 310—235.
McCollough, Fred, Jr.: *See*—
Vanstrom, Reginald E., and McCollough. 3,387,925.
McCollough, Fred, Jr., to Stauffer Chemical Co. Process for preparing substantially pyrophosphate free disodium phosphate, duohydrate. 3,385,662, 5–28–68, Cl. 23—107.
McCollough, George T., and F. C. Edwards. Visi-golf modern method of golf instruction. 3,408,750, 11–5–68, Cl. 35—29.
McCollum Laboratories, Inc.: *See*—
Eberlan, John C. 3,370,672.
McColm, George L. Calendar calculator. 3,374,948, 3–26–68, Cl. 235—88.
McComas, Darrel B.: *See*—
Gundelfinger, Richard, and McComas. 3,368,793.
McComas, Jean W., to Fairchild Hiller Corp. Minimum airframe for maximum external load. 3,380,691, 4–30–68, Cl. 244—118.
McComb, Austin B.: *See*—
McComb, William P. 3,407,594.
McComb, William P., deceased; A. B. McComb, administrator. Gas compressor apparatus. 3,407,594, 10–29–68, Cl. 60—39.6.
McCombie, Frederick W., to Megator Pumps and Compressors Ltd. Rotary pumps. 3,369,495. 2–20–68. Cl. 103—163.
McCombie, Robert L., to Mobay Chemical Co. Laminated safety glass. 3,388,034, 6–11–68, Cl. 161—183.
McCombs, Frank P.: *See*—
Smucker, Clayton A., Rigby, and McCombs. 3,380,877.
McCombs, Howard L., Jr., to The Bendix Corp. Emergency fuel shutoff valve. 3,376,893, 4–9–68, Cl. 137—599.2.
McConnaughey, Paul W., to Mine Safety Appliances Co. Indicator for the determination of sulfur dioxide and hydrogen sulfide. 3,378,348, 4–16–68, Cl. 23—254.
McConnell, Bobby D.: *See*—
Wieser, Ladislav E., and McConnell. 3,371,038.
McConnell, Charles D., to Westinghouse Air Brake Co. Shaker loader. 3,417,882, 12–24–68, Cl. 214—18.
McConnell, Charles K.: *See*—
Hammerstein, Henry A., Shepherd, and McConnell. 3,381,470.
McConnell, David P.: *See*—
Weber, Gregory E., and McConnell. 3,395,408.
McConnell Douglas Corp.: *See*—
La Fleur, James K., and Florez. 3,392,804.
McConnell, George W. Subsurface cutter attachment for a bulldozer. 3,418,734. 12–31–68, Cl. 37—2.
McConnell, Harden M., to Varian Associates. Metal-organic alloy composition and process of making same. 3,408,310, 10–29–68, Cl. 252—512.
McConnell, Inc.: *See*—
McConnell, John A., and Williamson. 3,401,840.
McConnell, James L.: *See*—
Cobb, Clifton A., Mason, and McConnell. 3,400,774.
Niewyk, Anthony, McConnell, and Myers. 3,419,708.
McConnell, John A., and E. W. Williamson, to McConnell, Inc. Blow mold dispensing container. 3,401,840, 9–17–68, Cl. 222—158.
McConnell, John R. Automatic fusion welder for structural steel members. 3,401,254, 9–10–68, Cl. 219—125.
McConnell, Kennedy, C. B. Johnson, and F. P. Boulais, to Interlake Steel Corp. Pallet rack. 3,392,848, 7–16–68, Cl. 211—176.
McConnell, Lorne D.: *See*—
McCloud, James R., and McConnell. 3,392,249.
McCloud, James R., and McConnell. 3,414,695.
McConnell, Lorne D., to I-T-E Circuit Breaker Co. Oil circuit breaker interrupter having keyed separable plates with laminar flow preventing projections and connection means for connecting the interrupter tube and stationary contacts within the interrupter tube to a common support. 3,361,885, 1–2–68. Cl. 200—150.
McConnell, Malcolm F., R. P. Cabeen, and W. W. Hedstrom. Steam stimulation of oil-bearing formations. 3,380,530, 4–30–68, Cl. 166—40.
McConnell, Richard L.: *See*—
Coover, Harry W., Jr., and McConnell. 3,376,232.
Coover, Harry W., Jr., and McConnell. 3,410,825.
Coover, Harry W., Jr., and McConnell. 3,415,789.
McConnell, Richard L., and H. W. Coover, Jr., to Eastman Kodak Co. Polymers derived from diamines or amino-alcohols and trialkyl or triaryl phosphites. 3,377,409, 4–9–68, Cl. 260—926.
McConnell, William C., and H. W. Rahn, to Pittsburgh Plate Glass Co. Aquatic herbicidal methods. 3,376,127, 4–2–68, Cl. 71—66.
McConnell, William C., and H. W. Rahn, to Pittsburgh Plate Glass Co. Method for regulating plant growth. 3,376,125, 4–2–68, Cl. 71—65.
McConnell, William C., and H. W. Rahn, to Pittsburgh Plate Glass Co. Method for regulating plant growth. 3,376,126, 4–2–68, Cl. 71—65.
McConville, Richard S. Dental rubber dam frame. 3,406,452, 10–22–68, Cl. 32—35.
McCool, John M., and S. F. Sullivan, to United States of America, Navy. Deep submergence acoustic transducer array construction. 3,409,869, 11–5–68, Cl. 340—9.
McCord, Robert C.: *See*—
Halberstadt, Lewis J., and McCord. 3,369,265.
McCord, Robert S., to Douglas Aircraft Co., Inc. Inhibition of corrosion of hydraulic fluids. 3,371,046, 2–27–68, Cl. 252—75.
McCord, Robert S., to McDonnell Douglas Corp. Heat transfer fluid. 3,407,142, 10–22–68, Cl. 252—78.
McCorkle, Max: *See*—
Herbert, John T., Kovitch, and McCorkle. 3,390,899.

McCorkle, Miles R.: *See*—
Mosier, Benjamin, McCorkle, Du Brow, and Marsh. 3,414,517.

McCormack, Charles E., to E. I. du Pont de Nemours and Co. Process of vulcanizing with ammonia a chlorosulfonated polyethylene coating containing an active metal oxide. 3,405,204, 10–8–68, Cl. 264—83.

McCormack, John F.: *See*—
Schneble, Frederick W., Jr., McCormack, Zeblisky, Williamson, and Polichette. 3,399,268.
Schneble, Frederick W., Jr., Zeblisky, McCormack and Williamson. 3,361,580.
Schneble, Frederick W., Jr., Zeblisky, McCormack, and Williamson. 3,403,035.

McCormack, Kermit E., and J. T. Revell, to Plymouth Cordage Industries, Inc. Laminated fabric for upholstery and the like. 3,385,750, 5–28–68, Cl. 161—64.

McCormack, Leonard J., to Reimers Electra Steam, Inc. Steam iron 3,412,492, 11–26–68, Cl. 38—77.

McCormack, Thomas L., M. A. Morin, and D. T. Staffiere, to said Morin, and said Staffiere, assors. to Laboratory for Electronics, Inc. Means interconnecting printed circuit memory planes. 3,414,892, 12–3–68, Cl. 340—174.

McCormack, Whitney: *See*—
Webb, James E. 3,368,486.

McCormick, Andrew J., and W. F. Woodan. Football practice reaction mechanism. 3,399,891, 9–3–68, Cl. 273—55.

McCormick, Daniel F.: *See*—
Alexander, Charles F., Jr., and McCormick. 3,399,647.

McCormick, David W., to United States of America, Navy. Air gage heads for internal measuring of wave guide bends. 3,367,172, 2–6–68, Cl. 73—37.9.

McCormick, Donald J.: *See*—
Becking, Paul E., Bungard, and McCormick. 3,380,569.

McCormick, Francis L.: *See*—
Cullis, Robert N., and McCormick. 3,409,834.

McCormick, Harold E., to Ramsey Corp. Inserts for rotary shaft seals. 3,362,719, 1–9–68, Cl. 277—37.

McCormick, Jerry R. D., U. Joachim, E. R. Jensen, and N. O. Sjolander, to American Cyanamid Co. Novel process of producing 1,3,4,10,11,12-hexahydroxy-6-methylnaphthacene-2-carboxamide. 3,385,765, 5–28–68, Cl. 195—80.

McCormick, John M.: *See*—
Ford, Ralph and McCormick. 3,362,601.

McCormick, Joseph F.: *See*—
Lesser, Marshall W., and McCormick. 3,372,371.

McCormick, Joseph F., to I-T-E Circuit Breaker Co. Motor control for D-C motors with series field windings. 3,398,-344, 8–20–68, Cl. 318—252.

McCormick, Larry L., and J. J. Phillips, to Gray & Huleguard. Self-locking connector. 3,390,900, 7–2–68, Cl. 825—81.

McCormick, Robert J., to The Dow Chemical Company. Container lid. 3,362,565, 1–9–68, Cl. 220—44.

McCormick, Robert J., to The Dow Chemical Co. Interlocking container and lid. 3,409,123, 11–5–68, Cl. 206—47.

McCormick, Willard T., to Caterpillar Tractor Co. Modulation control for a hydraulic circuit. 3,379,133, 4–23–68, Cl. 103—37.

McCormick, William A., Jr., to The Pamgborn Corp. Apparatus for deflashing molded goods. 3,378,959, 4–23–68, Cl. 51—13

McCormick, William C. Rail clip. 3,378,200, 4–16–68, Cl. 238—349.

McCornack, Robert R. Fluid valve with self-cleaning metering orifice. 3,400,731, 9–10–68, Cl. 137—245.

McCorry, Arthur E., to Atomic Energy of Canada Ltd. Induction heating apparatus. 3,397,297, 8–13–68, Cl. 219—10.69.

McCort, William M.: *See*—
Harp, Harry J., Leible, and McCort. 3,409,224.

McCourtney, Emile J.: *See*—
Koltun, Stanley P., McCourtney, and Spadaro. 3,394,012.

McCown, Everett E., to United States of America, Navy. Integrated versatile display control mechanism. 3,403,391, 9–24–68, Cl. 340—324.

McCown, Joe F. Drawbar mechanism. 3,391,948, 7–9–68, Cl. 280—407.

McCown, Joseph M.: *See*—
Wood, Carl R., and McCown. 3,380,135.

McCown, William E.: *See*—
Walters, Emmett L., and McCown. 3,372,847.

McCown, William E., and R. E. Warren, to Libbey-Owens-Ford Glass Co. Internally cooled hot glass contacting roll. 3,384,469, 5–21–68, Cl. 65—204.

McCoy, Carleton J.: *See*—
Douros, John D., Naslung, and McCoy. 3,414,477.

McCoy, C. Dana: *See*—
Baldwin, William W., McCoy, Bodin, and Zinn. 3,390,791.

McCoy Ellison, Inc.: *See*—
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McCoy, Frederic C.: *See*—
Knowles, Edwin C., Eckert, and McCoy. 3,365,283.
Knowles, Edwin C., and McCoy. 3,392,068.

McCoy, Lyle E. Conveyor for gas contact apparatus. 3,417,488, 12–24–68, Cl. 34—236.

McCracken, Donald G., to Aeroquip Corp. Swivel joints. 3,401,-956, 9–17–68, Cl. 285—190.

McCracken, Donald G., to Aeroquip Corp. Swivel joints. 3,402,-253, 9–17–68, Cl. 174—86.

McCracken, James R.: *See*—
Comer, Marvin B., and McCracken. 3,413,796.

McCracken, John H.: *See*—
Lese, Henri K., McCracken, and Schulz. 3,370,088.

McCracken, John H., J. G. Schulz, C. M. Selwitz, and A. C. Whitaker, to Gulf Research & Development Co. Process for dimerizing aryl alkanes. 3,384,658, 5–21–68, Cl. 260—515.

McCracken, Lynn A. Bale turner attachment. 3,409,147, 11–5–68, Cl. 214—1.

McCrae, John C., and H. A. Dooley. Compressible infusion device. 3,396,032, 8–6–68, Cl. 99—77.1.

McCraney, Bruce L. Thermometer with improved visibility temperature reading scale means. 3,377,863, 4–16–68, Cl. 73—368.3.

McCrary, Edward R., and R. L. Quinlivan. Safety truck-wheel assembly. 3,397,728, 8–20–68, Cl. 152—158.

McCrary, James W., Jr., R. C. Post III, and J. J. Aylwin, to Texas Instruments Inc. Silicon carbide coating on graphite bores of heat exchanger. 3,391,016, 7–2–68, Cl. 117—93.3.

McCray, Harold E., and R. S. Hestand, to Cabot Corp. Integral crank and phased counterweight arm. 3,371,554, 3–5–68, Cl. 74—600.

McCray Refrigerator Co., Inc.: *See*—
Gerweck, Leonard J., Bently, and Mathis. 3,369,375.

McCrea, Michael E.: *See*—
Kelly, Joseph F., and McCrea. 3,393,927.

McCready, Ross B., and D. W. Schaper, to Kerma Corp. Soaking pit crane. 3,367,513, 2–6–68, Cl. 212—11.

McCready, Ross B., and K. W. Forster, to Kerma Corp. Furnace charger crane. 3,375,945, 4–2–68, Cl. 214—316.

McCreary, Charles H., to General Motors Corp. Regenerator with expansible and contractible matrix. 3,364,984, 1–23–68, Cl. 165—6.

McCreary, John. Selvage removing assembly for high speed tenter machines. 3,417,444, 12–24–68, Cl. 26—57.

McCreary Tire and Rubber Co.: *See*—
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McCreery, Robert B., 50% to The Marmac Co. Hydraulic ram with movement decelerating limit stop. 3,416,406, 12–17–68, Cl. 91—27.

McCreight, Donald O.: *See*—
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McCunn, Myron L., and R. K. Leonard, to Deere & Co. Cotton harvester. 3,372,535, 3–12–68, Cl. 56—12.

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McEwan, James. Lawn mower sharpener. 3,418,757, 12–31–68, Cl. 51—34.
McEwan, James. Oscillating vertical spindle sander. 3,418,758, 12–31–68, Cl. 51—34.
McEwen, Lillian O., and H. W. Ulmer. Automatic telephone alarm system with particular hook switch pulse arrangement. 3,381,092, 4–30–68, Cl. 179—5.
McFadden, Robert V., C. P. Rauf, and G. G. Unger, to International Business Machines Corp. Apparatus for inter-record gap size control. 3,364,495. 1–16–68, Cl. 346—74.
McFadyen, Richard, and J. H. Giltzow, to Ketcham & McDougall, Inc. Desk indexing device. 3,405,466, 10–15–68, Cl. 40—104.
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McFarland, Douglas F. and D. L. 3,369,413.
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McFarland, Douglas F. and D. L. Variable speed transmission. 3,369,412, 2–20–68, Cl. 74—60.
McFarland, Douglas F. and D. L. Variable speed transmission. 3,369,413, 2–20–68, Cl. 74—60.
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McFarland, Robert H., to United States of America, Atomic Energy Commission. Method for measurement of vacuum pressure. 3,398,582, 8–27–68, Cl. 73—398.
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McGinty, Wallace H., J. W. Southers, and J. M. Taylor. Knitting machine for forming non-run pockets in hosiery. 3,367,144, 2–6–68, Cl. 66—48.
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McGrath, William L., to Carrier Corp. Multiple-effect absorption refrigeration systems with refrigerant economizers. 3,389,574, 6–25–68, Cl. 62—101.
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McHugh, James J., to McVee Industries, Inc. Portable structural support base. 3,416,270, 12-17-68, Cl. 52—36.
McHugh, John F., to Interchemical Corp. Method for making hollow spherical resinous particles. 3,379,797, 4-23-68, Cl. 264—9.
McHugh, John V., to The Richardson Co. Liquid level indicator. 3,367,184, 2-6-68, Cl. 73—327.
McHugh, Kenneth L., and K. A. Nowotny, to Monsanto Co. Fire resistant hydraulic fluids and lubricants. 3,383,318, 5-14-68, Cl. 252—78.
McHugh, Raymond F., Jr. Universal thermocouple head. 3,405,225, 10-8-68, Cl. 174—52.
McHugh, William E., and A. A. Shoudy, Jr., to Atomic Power Development Associates, Inc. Method for minimizing corrosion of reactor elements. 3,375,169, 3-26-68, Cl. 176—30.
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McIlrath, William P., to Racine Hydraulics & Machinery, Inc. Track gauger. 3,381,383, 5-7-68, Cl. 33—146.
McIlrath, William P., and C. Stougaard, to Racine Hydraulics & Machinery Inc. Vibrator compactor. 3,416,417, 12-17-68, Cl. 94—48.
McIlroy, Robert, to Ford Motor Co. Automatically variable intake valve timing mechanism. 3,369,532, 2-20-68, Cl. 123—90.
McIlroy, Robert, to Ford Motor Co. Engine fuel induction system. 3,382,856, 5-14-68, Cl. 123—127.
McIlroy, Robert, to Ford Motor Co. Carburetor air bleed. 3,387,830, 6-11-68, Cl. 261—39.
McIlvaine, Hubert A. Global clocks. 3,370,415, 2-27-68, Cl. 58—44.
McIlvaine, Robert L., to National Engineering Co. Apparatus for conditioning material. 3,406,950, 10-22-68, Cl. 259—151.
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McIninch, Edward: *See*—
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McInnis, Andrew M., to Apsco Products, Inc. Embossing tool capable of using different width tapes. 3,366,212, 1-30-68, Cl. 197—6.7.
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McIntosh, Donald F. J., to Mobil Oil Corp. Subsea production system. 3,366,173, 1-30-68, Cl. 166—5.
McIntosh, Euell K., and J. R. Williams, to Monsanto Co. Method and apparatus for texturing thermoplastic yarn. 3,364,540, 1-23-68, Cl. 28—67.
McIntosh, Euell K., and J. R. Williams, to Monsanto Co. High temperature yarn fibrillation method. 3,379,807, 4-23-68, Cl. 264—162.
McIntosh, Euell K., and J. R. Williams, to Monsanto Co. Method and apparatus for fibrillating synthetic thermoplastic yarn. 3,379,808, 4-23-68, Cl. 264—162.
McIntosh, Euell K., and P. T. Howse, Jr., to Monsanto Co. Apparatus for manufacturing textured filament yarns. 3,382,658, 5-14-68, Cl. 57—34.
McIntosh, Lawrie G., to The Brown Brothers, Ltd. One-piece calendar pad stand. 3,383,786, 5-21-68, Cl. 40—120.
McIntosh, Maurice D., to Switzer Bros., Inc. Synthetic resin and pigment production. 3,412,036, 11-19-68, Cl. 252—301.2.
McIntosh, Maurice D., Z. Kazenas, and J. L. Switzer, to Switzer Bros., Inc. Method for producing fine pigment particles in a liquid vehicle. 3,412,034, 11-19-68, Cl. 252—301.2.
McIntosh, Maurice D., Z. Kazenas, and J. L. Switzer, to Switzer Bros., Inc. Pigment method for producing fine particles in a liquid vehicle. 3,412,035, 11-19-68, Cl. 252—301.2.
McIntosh, Maurice D., Z. Kazenas, and J. L. Switzer, to Switzer Bros., Inc. Printing ink production. 3,412,104, 11-19-68, Cl. 260—33.6.
McIntosh, Ralph A., J. D. Hornak, and L. J. Yarrish, to B. J. Labranche. Toroidal coil winding machine. 3,400,894. 9-10-68, Cl. 242—4.
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McIntyre, James E., H. W. Dempster, and D. Kingston, to Imperial Chemical Industries Ltd. Process for twistless multifilament polyethylene terephthalate yarn. 3,409,493, 11-5-68, Cl. 156—166.

McIntyre, James E., H. W. Dempster, and D. Kingston, to Imperial Chemical Industries Ltd. Twistless multifilament yarn of polyethylene terephthalate. 3,409,496, 11-5-68, Cl. 161—170.

McIntyre, James E., and M. M. Robertson, to Imperial Chemical Industries Ltd. Surface modifying treatment of shaped articles made from polyesters. 3,416,952, 12-17-68, Cl. 117—118.

McIntyre, Maurice J., L. O. Cheldelin, and T. J. Reynolds, to The Humboldt Co. Regenerative interlocking yarder system. 3,378,232, 4-16-68, Cl. 254—185.

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McIntyre, Roy W., to Brentwood Universal, Inc. Pillow button installing device. 3,394,855, 7-30-68, Cl. 227—149.

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McKay, Dwight L., to Phillips Petroleum Co. Continuously lagering a fermented beverage under high pressure. 3,399,-996, 9-3-68, Cl. 99—48.

McKay, Dwight L., to Phillips Petroleum Co. Method for removing water and hydrocarbons from gaseous HCl. 3,400,-512, 9-10-68, Cl. 55—69.

McKay, Dwight L., and F. M. Brinkmeyer, to Phillips Petroleum Co. Separation by crystallization. 3,406,527, 10-22-68, Cl. 62—58.

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McKee, James E., D. R., and C. F. 3,394,525.

McKee, Herbert A.: *See*—
Bartell, Rudy, and McKee. 3,398,090.

McKee, James B. Simulated golf green target including concentric rings deflectable by high speed balls. 3,369,812, 2-20-68, Cl. 273—181.

McKee, James E., D. R., and C. F. Mock-up structural units. 3,394,525, 7-30-68, Cl. 52—726.

McKee, Lewis W., to The Barden Corp. Dental handpiece. 3,376,084, 4-2-68, Cl. 308—184.

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McKee & McHale, Inc.: *See*—
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McKee, William M., and M. L. Erickson, to Minnesota Mining and Mfg. Co. Metal-simulating film product. 3,408,226, 10-29-68, Cl. 117—138.8.

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McKelvey, John B., R. J. Berni, and R. R. Benerito, to United States of America, Agriculture. Alkaline catalyzed cellulose-epichlorohydrin reactions wherein cellulose is pretreated with aqueous salt solutions. 3,382,029, 5-7-68, Cl. 8—120.

McKelvey, John B., R. J. Berni, and R. R. Benerito, to United States of America, Agriculture. Modification of cellulose with butadiene diepoxide using a dioxane-water solvent system. 3,382 030, 5-7-68, Cl. 8—120.

McKelvey, Michael J. Removable beam seat. 3,373,988, 3-19-68, Cl. 269—309.

McKenna, Bernard D., to Kaiser Aluminum & Chemical Corp. Refractory construction. 3,394,511, 7-30-68, Cl. 52—232.

McKenna, Philip M., to Kennametal Inc. Process for preparing tungsten monocarbide. 3,379,503, 4-23-68, Cl. 23—208.

McKenna, Thomas P. Fire door. 3,380,192, 4-30-68, Cl. 49—62.

McKenney, John D., and J. H. Hedberg, to Aerojet-General Corp. Radio apparatus and method for determining the bearing and range of a remote radio beacon. 3,381,296, 4-30-68, Cl. 343—112.

McKenzie, Bradley J., to United Aircraft Corp. Gas turbine ignition detector. 3,365,881, 1-30-68, Cl. 60—39.14.

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McKeon, James E., and P. S. Starcher, to Union Carbide Corp. Process for the manufacture of olefinically unsaturated hydrocarbon esters of propionic acid. 3,365,486, 1-23-68, Cl. 260—497.

McKeown, David F. Speed and directional control for vehicle. 3,385,387, 5-28-68, Cl. 180—6.48.

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McKeown, John P. Rotating tube game with rolling member. 3,416,801, 12-17-68, Cl. 273—110.

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McKey, Thomas J. Seat construction. 3,399,883, 9-3-68, Cl. 267—89.

McKey, Thomas J., to American Motors Corp. Tail gate latch mechanism. 3,408,100, 10-29-68, Cl. 292—216.

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McKibben, Richard K., to Southwestern Engineering Co. Automatic unloader for finishing mills. 3,407,542, 10-29-68, Cl. 51—163.

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McKibbin, Raymond, and N. Bergeron, to J. S. Kamborian. Shoe end lasting with pronged wipers. 3,386,115, 6-4-68, Cl. 12—12.5.

McKillip, William J., and C. N. Impola, to Ashland Oil Refining Co. Compositions made from (a) isocyanate-terminated prepolymers; and (b) polyesters prepared from polyols and α,β-ethylenically unsaturated. 3,396,210, 8-6-68, Cl. 260—859.

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McKindary, Thomas W. Methods and apparatus for zig-zag folding a web. 3,363,896, 1–16–68, Cl. 270—69.
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McKiney, James R. and M. H. 3,365,267.
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McKinnie, James R. Cover strip in expansion and contraction joints. 3,369,831, 2–20–68, Cl. 287—20.92.
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McKinnon, Allen G., to Burlington Industries Inc. Method of and apparatus for neutralizing static electricity on filling picks of looms and the like. 3,395,865, 8–6–68, Cl. 139—196.
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McKnight, Stephen N. and A. B. Fishing lure. 3,390,478, 7–2–68, Cl. 43—17.6.
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McKnight, William H., to Corning Glass Works. Container closure. 3,371,811, 3–5–68, Cl. 215—39.
McKnight, William T., W. F. Otto, R. W. Hawkins, and J. R. Dearman (deceased) by D. H. Dearman (administratrix), to United States of America, Army. Flashlamp circuit with a high triggering condenser and a load condenser in parallel. 3,414,765, 12–3–68, Cl. 315—173.
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McLauchlan, Robert D., to A. B. McLauchlan Co., Inc. Berry cleaner and washer. 3,399,414, 9–3–68, Cl. 15—3.11.
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McLaughlin, Emmett J., to Westinghouse Electric Corp. Multiple wire connecting means. 3,363,094, 1–9–68, Cl. 240—52.
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McLaughlin, Jack E. Liquid dispensing apparatus for use in body treatment. 3,399,676, 9–3–68, Cl. 128—229.
McLaughlin, James T. Protective device such as welder shield. 3,380,073, 4–30–68, Cl. 2—8.
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McLaughlin, Terence P., and J. B. Wilkinson, to Lever Bros. Co. Dyeing human hair. 3,369,970, 2–20–68, Cl. 167—88.
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McLean, David W., and C. G. Easter, to Morgan Construction Co. Apparatus for the controlled cooling of rods. 3,390,871, 7–2–68, Cl. 266—3.
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McLean, Francis A., N. Knowlton, and N. E. Steiner, to G. Darbyson. Keypunch machine. 3,372,866, 3–12–68, Cl. 234—123.
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McLean, Robert L.: *See*—
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Ernest, Robert P., McLean, and Postma. 3,400,694.
McLean, William B., to Walter G. Finch. Sonic echo system. 3,388,371, 6–11–68, Cl. 340—3.

McLean, William B., 50% to W. G. Finch. Wafer type submersible motor for underwater device. 3,407,320, 10–22–68, Cl. 310—87.

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McLeod, Gordon D., to Stauffer Chemical Co. Coating composition binders. 3,392,036, 7–9–68, Cl. 106—1.

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McLeod, James W., Jr., and W. R. Abraham, to Radio Corp. of America. Deflection yoke mounting structure. 3,404,228, 10–1–68, Cl. 178—7.8.

McLeod, La Martine S. Container with disposable liner. 3,406,853, 10–22–68, Cl. 215—11.

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McMaster, Harold A., and N. C. Nitschke, to Permaglass, Inc. Method and apparatus for conveying and heat treating glass sheets over a gas support bed. 3,399,042, 8–27–68, Cl. 65—25.

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McMillan, James O., to William J. Easton, Jr. Diaphragm pump with single compression roller. 3,408,947, 11–5–68, 103—149.
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McNeely, William H., to Kelco Co. Process for producing polysaccharides. 3,391,061, 7–2–68, Cl. 195—31.
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McVeigh, Patricia A., to Eastman Kodak Co. Synergistic sensitization of silver halide emulsions with labile selenium formed in situ. 3,408,197, 10–29–68, Cl. 96—108.

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Meckler, Gershon, to Lithonia Lighting, Inc. Comfort condition system. 3,401,530, 9-17-68, Cl. 62—2.
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Mellors, Geoffrey W., and S. Senderoff, to Union Carbide Corp. Novel compounds of tantalum and columbium and process for preparation. 3,398,068, 8–20–68, Cl. 204—61.

Mellors, Harry: *See*—
Hanson, Raymond, and Mellors. 3,388,412.

Mellott, Robert N., to The Bunker-Ramo Corp. Memory selection system. 3,364,362, 1–16–68, Cl. 307—88.

Mellott, Robert N., and J. J. Phelan, to United States of America, Navy. Maintenance of power supply regulation during low line transients. 3,375,437, 3–26–68, Cl. 323—22.

Mellyn, Lawrence P., and E. W. Roberts, Jr., to General Electric Co. Luminous display device. 3,402,493, 9–24–68, Cl. 40—130.

Melnichenki, Mikhail A.: *See*—
Svyadosch, Jury N., Lazarev, and Melnichenko. 3,395,907.

Melnik, Steve J. Powered tool for cleaning typewriter type. 3,407,431, 10–29–68, Cl. 15—344.

Melnikov, Oleg N.: *See*—
Gutnikov, Eduard J., Melnikov, Matjunin, and Alterman. 3,416,433.

Melocchi, Mario. Cap for an aerosol container. 3,409,186, 11–5–68, Cl. 222—402.13.

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Ristau, Arnold E. and A. G. 3,369,086.
Ristau, Arnold E. and A. G. 3,374,925.

Melone, Robert R., to Illinois Tool Works Inc. Liquid level indicator. 3,362,224, 1–9–68, Cl. 73—327.

Meloni, Mario, to Autelca A.G. Coin changer for an automatic vending machine with automatic refilling of the coin magazine. 3,415,256, 12–10–68, Cl. 133—2.

Meloy, Arthur S., Jr., to The Singer Co. Bobbin supporting assemblies for sewing machines. 3,381,643, 5–7–68, Cl. 112—231.

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Abel, Kenneth, De Schmertzing, and Peterson. 3,365,277.
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Asten, William P. 3,382,459.
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Feldman, Charles. 3,382,100.
Garner, Philip L., and Fuschillo. 3,375,143.
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Hacskaylo, Michael, and Smith. 3,387,999.
Herrington, Lee P. 3,360,989.
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Martin, Charles W., and Herrington. 3,381,529.
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Sharman, John R., and Orr. 3,360,894.
Shewmake, Glenn A., and Pentecost. 3,399,604
Snelling, Charles D. 3,390,672.
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Thiess, George H. 3,374,436.
Tiner, Jack D., and Smit. 3,399,653.
Trexler, Edward C., Jr. 3,361,377.

Melrose, Denis G., to National Research Development Corp. Artificial heart valve. 3,396,409, 8–13–68, Cl. 3—1.

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Sanders, Warren M., and Melton. 3,398,288.

Melton, James O., T. B. Wilkinson, and J. H. Jackson, to Jamco, Inc. Ball joint. 3,374,016, 3–19–68, Cl. 287—87.

Melton, James O., T. B. Wilkinson, and K. A. Robertson, to Jamco, Inc. Measuring device. 3,382,583, 5–14–68, Cl. 33—181.

Melton, James O., T. B. Wilkinson, and J. H. Jackson. Idler arm construction. 3,408,124, 10–29–68, Cl. 308—238.

Melton, James O., T. B. Wilkinson, and J. H. Jackson, to Jamco, Inc. Vehicle idler arm. 3,411,803, 11–19–68, Cl. 280—95.

Melton, John W., Jr.: *See*—
Griffin, Phil H., III, and Melton. 3,363,404.

Melton, Robert H. Drill guide. 3,361,493, 1–2–68, Cl. 308—4.

Melton, Roger W., to Continental Can Co., Inc. Easy opening closure for tapered containers. 3,397,803, 8–20–68, Cl. 215—95.

Melton, Thomas M., to Mobil Oil Corp. Phosphinothioate ester. 3,376,365, 4–2–68, Cl. 260—941.

Melton, Wallace J. Liquid flow meter. 3,370,464, 2–27–68, Cl. 73—228.

Meltzer, Elliott A. Heated windshield wiper. 3,372,421, 3–12–68, Cl. 15—250.06.

Meltzer, Henry E. Cooling and carrying box for electric tools and appliances. 3,371,975, 3–5–68, Cl. 312—236.

Meltzer, Henry E. Forced air cooled hair clipper. 3,383,765, 5–21–68, Cl.30—133.

Meltzer, Henry E. Machine for electrically heating floor tile prior to removal, 3,400,244, 9–3–68, Cl. 219—228.

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Hansen, Holger V., Klutchko, and Meltzer. 3,395,145.

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Melvill, Sally: *See*—
Dovey, Norman E. 3,386,323.

Melville, Richard J.: *See*—
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Melvin, Roy J., to MSL Industries, Inc. Dynamoelectric machine field core winding and method of construction. 3,414,746, 12–3–68, Cl. 310—42.

Melvold, Odd, to Me-Kox Industri. Briquette for growing of plants. 3,375,607, 4–2–68, Cl. 47—37.

Melzer, Julius F. Safety valve. 3,384,101, 5–21–68, Cl. 137—73.

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Blumberg, Ruth, Bantel, and Melzer. 3,393,044.

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Memelink, Oscar W., and J. M. Cluwen, to North American Philips Co., Inc. Storage circuit employing cross-connected opposite conductivity type insulated-gate field-effect transistors. 3,416,008, 12–10–68, Cl. 307—279.

Memistor Corp.: *See*—
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Memole, Ralph, J. S. Liebmann, H. Barkowitz, and D. Meszaros. Decorative shoe cover. 3,373,510, 3–19–68, Cl. 36—2.5.

Memorex Corp.: *See*—
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Menard, Louis D. Apparatus for drilling and construction. 3,387,670, 6–11–68, Cl. 173—49.

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Kendall, Giles A., and Oda. 3,393,917.

Menashi, Wilson P., to Arthur D. Little, Inc. Treatment of surfaces. 3,383,163, 5–14–68, Cl. 21—54.

Menasoff, George N., to Anaconda Wire and Cable Co. Reverse twist strander, stranding method, and strand. 3,367,097, 2–6–68, Cl. 57—34.

Menasoff, George N., and J. F. Otto, to Anaconda Wire and Cable Co. Reversing mechanism. 3,392,595, 7–16–68, Cl. 74—377.

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Mencacci, Samuel A., to International Machinery Corp. Container handling system. 3,378,129, 4–16–68, Cl. 198—22.

Mencacci, Samuel A., to International Machinery Corp. S.A. Apparatus for processing products in frangible containers. 3,389,788, 6–25–68, Cl. 209—74.

Mencacci, Samuel A. Process to stimulate the peristaltic movements and device therefor. 3,396,721, 8–13–68, Cl. 128—41.

Mencacci, Samuel A., and J. G. Hagerborg, to International Machinery Corp. S.A. Hydrostatic cooker conveyor system. 3,408,922, 11–5–68, Cl. 99—362.

Mendaloff, Alexander, Jr. Cable laying apparatus. 3,395,545, 8–6–68, Cl. 61—72.6.

Mendell, Stanley, to Planalog, Inc. Graphical chart display devices and system. 3,403,458, 10–1–68, Cl. 35—24.

Mendelsohn, Morris A., and D. A. Rogers, Jr., to Westinghouse Electric Corp. Pressure sensitive thermosetting resinous adhesives and tapes. 3,378,630, 4–16–68, Cl. 174—121.

Mendelson, Emanuel S., to United States of America, Navy. Acoustic reflexometer. 3,395,697, 8–6–68, Cl. 128—2.

Mendelson, Myron J., and A. W. England, to Scientific Data Systems, Inc. Digital data processing systems. 3,405,396, 10–8–68, Cl. 340—172.5.

Mendenhall, Charles A. Combined coil mounting and bearing for an electromagnetic clutch. 3,381,785, 5–7–68, Cl. 192—66.

Mendenhall, Jesse W., to The Bullard Co. Tool support. 3,408,885, 11–5–68, Cl. 82—36.

Mendes, Frank E., III, to E. I. du Pont de Nemours and Co. Textile package laydown device. 3,378,898, 4–23–68, Cl. 28—21.

Mendez, Charles E., to Redwing Carriers, Inc. Heat exchanger and cleaning apparatus for treating exhaust gases from internal combustion engines. 3,402,551, 9–24–68, Cl. 60—31.

Mendez, Joseph R. Key operated phonetic sound and reproducing device. 3,367,045, 2–6–68, Cl. 35—5.

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Mendola, Joseph A. Tongue depresser. 3,363,622, 1–16–68, Cl. 128—15.

Mendonca, Robert R. Seedling transplanting tool. 3,386,762, 6–4–68, Cl. 294—25.

Mendoza, Miguel G.: *See*—
Grady, Charles B., Jr., and Mendoza. 3,377,450.
Grady, Charles B., Jr., Mendoza, and Wales. 3,394,843.

Menegoz, Charles D., F. Damesin, and S. Socquet, to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques. Electric arc reduction furnace and method. 3,372,223, 3-5-68, Cl. 13—9.

Menegus, Bruno V.: *See*—
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Menell Hans, and H. Nadler, to Continental Gummi-Werke Aktiengesellschaft. Method of and apparatus for cutting to length and folding webs, especially rubberized cord fabric webs for the manufacture of tires. 3,387,841, 6-11-68, Cl. 270—61.

Menelly, Richard A., to Sylvania Electric Products Inc. Fluorescent lamp with a reflective coating containing TlO_2 and Sb or its oxide. 3,379,917, 4-23-68, Cl. 313—109.

Menelly, Richard A., to Sylvania Electric Products, Inc. Fluorescent lamp using an indium-mercury amalgam band for pressure control. 3,392,298, 7-9-68, Cl. 313—109.

Meneret, Jean: *See*—
Delbourgo, Ralph D., Foulatier, Laffitte, Meneret, and Minjolle. 3,403,964.

Meng, Eberhard, and D. K. Neeld, to Electro-Therm, Inc. Electrical heating elements and method and apparatus for making the same. 3,396,458, 8-13-68, Cl. 29—615.

Meng, Ng C., to Stelux Mfg. Co., Ltd. Metal chains and bracelets, e.g. for wrist watches. 3,398,523, 8-27-68, Cl. 59—80.

Menge, Donald C., to Troy Steel Corp. Reinforcing gusset plate. 3,417,652, 12-24-68, Cl. 85—13.

Menge, Guenter, and G. Koop. Apparatus for testing cigarettes and the like. 3,386,281, 6-4-68, Cl. 73—41.

Mengel, Arthur H. Method for rejuvenating an image orthicon tube. 3,366,434, 1-30-68, Cl. 316—1.

Menges, Jacob T., 24½% to J. C. Yarborough and 24½% to J. C. Holcomb. Garbage and refuse collecting and disposal means. 3,395,859, 8-6-68, Cl. 232—43.2.

Menguy, Alain. Apparatus for preparing tobacco leaves. 3,409,024, 11-5-68, Cl. 131—123.

Menich, Stephen J., to Sutherland-Schulz Ltd. Fabric polishing machine. 3,381,116, 4-30-68, Cl. 219—470.

Menichelli, Vincent J., to United States of America, Navy. Explosive bolt. 3,374,702, 3-26-68, Cl. 85—1.

Menickella, Michael A., to Electro-Nite Co. Electrical connector. 3,369,210, 2-13-68, Cl. 339—9.

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Menikheim, Virginia C., and E. M. Rodriguez, to Union Carbide Corp. Coating composition and method for applying same to polyolefin films. 3,361,587, 1-2-68, Cl. 117—47.

Menikheim, Virginia C., and E. M. Rodriguez, to Union Carbide Corp. Coating composition and method for applying same to polyolefin films. 3,362,841, 1-9-68, Cl. 117—47.

Menikheim, Virginia C., and E. M. Rodriguez, to Union Carbide Corp. Coating composition and method for applying same to polyolefin films. 3,380,844, 4-30-68, Cl. 117—47.

Menin, Albert S., and R. J. Cyr, to The Bendix Corp. Fish counting device. 3,418,127, 12-10-68, Cl. 340—3.

Menissier, Pierre: *See*—
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Menk, Melvin A.: *See*—
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Menk, Melvin A., to General Motors Corp. Supply control system for domestic gas drying apparatus. 3,370,838, 2-27-68, Cl. 263—33.

Menk, Melvin A., to General Motors Corp. Heating control system for clothes dryer. 3,409,994, 11-12-68, Cl. 34—33.

Menke, Franz, to Eltro G.m.b.H. & Co. Apparatus for generating high voltages. 3,417,314, 12-17-68, Cl. 321—44.

Menke, John M., to Velsicol Chemical Corp. Air-drying water-soluble, halogen-containing polymeric composition. 3,380,942, 4-30-68, Cl. 260—22.

Menke, Joseph F., to Eltro G.m.b.H. Rolling missile, remote control system. 3,372,889, 3-12-68, Cl. 244—3.14.

Menke, Joseph F., to Eltro G.m.b.H. & Co. Decamouflaging apparatus by sequential overlay of different spectral pictures of a single radiating body. 3,379,830, 4-23-67, Cl. 178—6.8.

Menkin, David B., and J. C. Ginter. Brush having a disposable part. 3,366,988, 2-6-68, Cl. 15—244.

Menn, Julius J.: *See*—
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Mennekes, Werner: *See*—
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Menneking, Hartmut, to Firma Rheinmetall G.m.b.H. Rotary ammunition belt feeder having a plurality of belt feed apertures. 3,367,236, 2-6-68, Cl. 89—33.

Menneking, Hartmut, to Rheinmetall G.m.b.H. Automatic firearm having a breech block with front and rear cartridge driving means. 3,412,642, 11-26-68, Cl. 89—33.

Menneking, Hartmut, and H. Henning, to Firma Rheinmetall G.m.b.H. Recoil booster for fully automatic, semi-automatic and/or single-shot firing weapons. 3,369,453, 2-20-68, Cl. 89—14.

Mennen, Frederick C., to United States Packaging Corp. Self-starting charcoal briquette and method of making the same. 3,385,681, 5-28-68, Cl. 44—17.

Mennen-Greatbatch Electronics, Inc.: *See*—
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Mennesson, Andre L., to Societe Industrielle de Brevets et d'Etudes S.I.B.E. Devices for dividing into at least two portions a stream of a mixture of a liquid fluid and a gaseous fluid. 3,395,730, 8-6-68, Cl. 137—561.

Mennesson, Andre L., to Societe Industrielle de Brevets et d'Etudes S.I.B.E. Fuel injection devices for internal combustion engines. 3,404,667, 10-8-68, Cl. 123—119.

Mennesson, Robert: *See*—
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Meisert, Ernst, Mennicken, and Wagner. 3,383,400.

Menold, Richard, G. Heyl and W. Simm, to AGFA-Gevaert Aktiengesellschaft. Bleaching out electrophotographic sensitizers by simultaneous exposure to light and corona discharge. 3,418,115, 12-24-68, Cl. 96—1.

Menoret, Maurice J., and J. N. Bejat. Bistable cryosar matrix memories and method of fabricating the same. 3,404,383, 10-1-68, Cl. 340—173.

Menow Machine Co., The: *See*—
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Menser, Henry E., ⅛ to T. H. Vance. Wire, rod and tubing stretching mechanism. 3,385,093, 5-28-68, Cl. 72—392.

Mentag, Robert G.: *See*—
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Mentink, John P., to Bausch & Lomb Inc. Inverted or metallographic type of microscopes. 3,405,989, 10-15-68, Cl. 350—10.

Mentink, Raymond C., and Le R. F. Shadd, to General Electric Co. Fluid sample cell with means to keep constant pressure on the sample fluid. 3,378,684, 4-16-68, Cl. 250—51.5.

Mentnech, Adelbert, 33⅓% to Albert C. Nolte, Jr. Valve control. 3,417,782, 12-24-68, Cl. 137—624.11.

Menton, Jack K. Rotary-impact drill. 3,396,807, 8-13-68, Cl. 175—293.

Mentrup, Anton: *See*—
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Mentschel, Hellmuth, and J.-D. Welly, to Siemens Aktiengesellschaft. Regenerator system for MHD generators. 3,414,049, 12-3-68, Cl. 165—4.

Mentzer, Everett K.: *See*—
Hubin, Lorrin W., and Mentzer. 3,365,936.

Mentzer, Leonard F.: *See*—
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Mentzer, Merle J., to Corn Products Co. Remoistening adhesive composition. 3,408,214, 10-29-68, Cl. 106—212.

Menu, Edouard, to Societe Fives Lille-Cail. Storage apparatus for dummy ingots. 3,374,828, 3-26-68, Cl. 164—274.

Menu, Edouard, to Societe Fives Lille-Cail. Converter having ball and socket trunnion bearings. 3,376,029, 4-2-68, Cl. 266—36.

Meny, Lucienne: *See*—
Bailly, Henri, Francois, and Meny. 3,409,504.

Menypac Corp.: *See*—
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Nye, Norman H. 3,384,225.

Menzel, Gerhart, and C. E. Klotz, to Allis-Chalmers Mfg. Co. Hydraulic holddown for nuclear reactor fuel assembly. 3,401,081, 9-10-68, Cl. 176—50.

Menzel, Harry R.: *See*—
Dale, John R., and Menzel. 3,372,368.

Menzel, Karl-Heinz, to Agfa Aktiengesellschaft. Thermographic copying sheet. 3,409,457, 11-5-68, Cl. 117—36.8.

Menzel, Karl-Heinz, and R. Putter, to Agfa Aktiengesellschaft. Photographic materials containing pyrazolo-[1,5*a*]-benzimidazole color couplers. 3,369,897, 2-20-68, Cl. 96—56.5.

Menzel, Thomas C., and J. E. Gerrard, to Esso Research and Engineering Co. Photo-pyrometric control system for efficient combustion in multiple-burner, residual-fuel-fired furnaces. 3,374,950, 3-26-68, Cl. 236—15.

Menzel, Waldemar: *See*—
Lutz, Hans G., and Menzel. 3,365,903.

Menzel, Waldemar, to Firma Lumen G.m.b.H. Nahrmittel und Maschinenfabrik. Method and apparatus for operating soft ice freezer. 3,402,562, 9-24-68, Cl. 62—69.

Menzel, Waldemar, to Firma Lumen G.m.b.H. Nahrmittel und Maschinenfabrik. Freezing kettle for soft ice freezer. 3,402,567, 9-24-68, Cl. 62—306.

Menzer, Alfred B., to Kemlite Corp. Method of manufacturing a structural panel. 3,377,228, 4-9-68, Cl. 156—301.

Menzer, Eric, Jr.: *See*—
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Menzimer, L. W.: *See*—
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Menzl, Ludwig H. Vehicular towing bar. 3,398,976, 8-27-68, Cl. 280—495.

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Menzl, Roland L., M. E. Marks, and R. H. Crowther, to Standard Oil Co. Refining of lubricating oil and reactivation of the catalyst. 3,376,218, 4-2-68, Cl. 208—264.

Meoni, Angelo, to Societe Gerafin S.A. Fixed value coated electrical resistors. 3,409,856, 11-5-68, Cl. 338—312.

Meos, Alexander I.: *See*—
Giller, Solomon A., Wolf, and Meos. 3,390,008.

Mepag A.G.: *See*—
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Mepham, Herbert J., to Tektronix, Inc. Method of manufacture of phosphor screen. 3,389,030, 6-18-68, Cl. 156—67.

Meranda, James I., to Sperry Rand Corp. Digital synchronizer for pulses of known repetition interval but unknown phase. 3,407,356, 10-22-68, Cl. 328—55.

Mercade, Venancio, to Engelhard Minerals & Chemicals Corp. Method for preventing activation of silica in ore flotation. 3,382,976, 5–14–68, Cl. 209—167.

Mercaldi, William B.: *See*—
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Mercaldi, William B., D. F. Herdeg, and W. B. Hanson, to United Shoe Machinery Corp. Cutting presses having means for adjusting the rest position. 3,361,022, 1–2–68, Cl. 83—529.

Mercantile Marine Engineering & Graving Docks Co.: *See*—
Schenck, Robert A. M. 3,396,492.

Mercer, Alec V., and J. E. Jones, to Shell Oil Co. Flame retardant polyurethanes. 3,412,048, 11–19–68, Cl. 260—2.5.

Mercer, Frank B., to Plastic Textile Accessories Ltd. Compressed foamed polystyrene net and method of making the same. 3,392,080, 7–9–68, Cl. 161—109.

Mercer, Frank B., and K. F. Martin, to Plastic Textile Accessories Ltd. Extruded plastic net method of making the same and sack made of said net. 3,384,530, 5–21–68, Cl. 161—109.

Mercer, Julian P., Jr. Method of forming a rotary cutter blade. 3,388,581, 6–18–68, Cl. 72—324.

Mercer, Michael J.: *See*—
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Mercereau, James E.: *See*—
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Merchant, Carl E.: *See*—
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Merchant, Chester O.: *See*—
White, William R., and Merchant. 3,391,880.

Merchant, Chester O., to Kentucky Electronics, Inc. Automatic welding machine. 3,417,220, 12–17–68, Cl. 219—80.

Merchant, Chester O., and J. H. Johnson, to Kentucky Electronics, Inc. CRT color gun positioning and assembly jig. 3,363,298, 1–16–68, Cl. 29—25.19.

Merchant, Leo F., to American Standard Inc. Inlet pressure regulator. 3,414,009, 12–3–68, Cl. 137—494.

Merchant, Leo F., and D. R. Grahl, to American & Standard Inc. Expansion valve. 3,414,014, 12–3–68, Cl. 137—559.

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Mercier, Andre, to Societe Fives Lille-Cail. Centrifugal separator. 3,366,245, 1–30–68, Cl. 210—378.

Mercier, André, to Societe Fives Lille-Cail. Centrifugal drier. 3,403,785, 10–1–68, Cl. 210—178.

Mercier, Bernard: *See*—
Mercier, Jean, and Bernard. 3,375,844.

Mercier, Christian, to Mercier Freres. Tanning and tawing (or leather dressing) machine for splitting hides and skins. 3,393,538, 7–23–68, Cl. 69—10.

Mercier Freres: *See*—
Mercier, Christian. 3,393,538.

Mercier, Jacques, to Societe pour la Diffusion d'Appareils de Mesure et de Controle, D.A.M. Calorimeter. 3,379,061, 4–23–68, Cl. 73—190.

Mercier, Jacques H., to Mercier Olaer Patent Corp. Pressure vessel. 3,379,216, 4–23–68, Cl. 138—30.

Mercier, Jacques H. Hydraulic actuator with internal dashpot. 3,418,888, 12–31–68, Cl. 91—396.

Mercier, Jean. Position control system. 3,400,537, 9–10–68, Cl. 60—52.

Mercier, Jean. Manually actuated positioning control system. 3,402,553, 9–24–68, Cl. 60—52.

Mercier, Jean. Method of retaining cover member on pressure vessel. 3,408,731, 11–5–68, Cl. 29—511.

Mercier, Jean and Bernard. Unloader valve. 3,375,844, 4–2–68, Cl. 137—108.

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Mikos, Aloysius J., to The Seng Co. Sofa bed with leg actuated section locking means. 3,380,083, 4–30–68, Cl. 5—13.

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Milch, Alfred, J. J. Lalak, and R. H. Ahlert, to North American Philips Co., Inc. Ceramic-to-metal seal. 3,366,409, 1–30–68, Cl. 287—189.365.

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Miller, Clarence J., to General Electric Co. Fluxless aluminum brazing. 3,373,483, 3–19–68, Cl. 29—501.

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Miller, Donald B., to Continental Oil Co. Olefin polymerization process and catalyst therefor. 3,399,183, 8–27–68, Cl. 260—93.7.

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Pachmayr, Frank A., and Miller. 3,411,408.

Miller, Edward F., to United States of America, Atomic Energy Commission. Method of operating a neutronic reactor for reforming gas mixtures and producing heat for multipurposes. 3,394,050, 7–23–68, Cl. 176—39.

Miller, Edward J., Jr., and G. A. Prell, to Motorola, Inc. Self-excited linear DC amplifier having a bridge input portion. 3,408,584, 10–29–68, Cl. 330—9.

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Miller, Edwin A., to Texas Instruments Inc. Method of making inflated metal products. 3,371,399, 3–5–68, Cl. 29—157.3.

Miller, Edwin H. Tiltable basketball rim and support therefor. 3,365,196, 1–23–68, Cl. 273—1.5.

Miller, Eldon D., to Dresser Industries, Inc. Vacuum degasser conduit. 3,386,723, 6–4–68, Cl. 266—34.

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Henry, George R., and Miller. 3,418,401.
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Miller, Eldon D., Jr., to Dresser Industries, Inc. Continuous casting of steel. 3,411,564, 11–19–68, Cl. 164—73.

Miller, Eldon D., Jr., and S. R. Pavlica, to Harbison-Walker Refractories Co. High alumina brick. 3,377,178, 4–9–68, Cl. 106—66.

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Miller, Eric R.: *See*—
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Miller, Ernest W. Combination scoop and cutting board. 3,371,694, 3–5–68, Cl. 146—215.

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Miller, Eugene J., Jr., and A. Mais, to Armour and Co. Novel dicyanoethylfattydiamines of fatty acids. 3,364,248, 1–16–68, Cl. 260—465.5.

Miller, Eugene J., Jr., and A. Mais, to Armour Industrial Chemical Co. Esterification of fatty diacids with excess HF. 3,383,404. 5–14–68, Cl. 260—485.

Miller, Eugene J., Jr., and A. Mais, to Armour and Co. Hydrogen fluoride catalyzed esterification process. 3,384,647, 5–21–68, Cl. 260—410.9.

Miller Eugene J., Jr., and A. Mais, to Armour Industrial Chemical Co. N-secondary-alkyl trimethylene diamines. 3,398,196, 8–20–68, Cl. 260—583.

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Miller, Eugene J., Jr., A. Mais, D. Berenschot, Jr., and R. L. Berger, to Armour and Co. Fatty polyamines and their alkyl and alkoxy derivatives. 3,418,374, 12–24–68, Cl. 260—583.

Miller, Eugenie R. Filter cover for cooking and process for filtering cooking by-products. 3,363,406, 1–16–68, Cl. 55—384.

Miller, Felder A., Jr., and C. L. Ray, to Hayes International Corp. Airborne target with infrared source. 3,410,559, 11–12–68, Cl. 273—105.3.

Miller, Francis A., to Key Equipment Co., Inc. Corn cleaner. 3,398,423, 8–27–68, Cl. 15—306.

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Miller, Franklyn D., and R. A. Kolbeson, to National Distillers and Chemical Corp. Extractive distillation of ethanol followed by activated carbon treatment. 3,408,267, 10–29–68, Cl. 203—19.

Miller, Fred F., Jr., to Dana Corp. Retaining ring and groove assembly for a universal joint. 3,369,378, 2–20–68, Cl. 64—17.

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Miller, Frederick C., to Basic Products Corp. Bounding machine sighting means. 3,384,288, 5–21–68, Cl. 228—56.5.

Miller, Frederick L. B. Wood saws. 3,395,741, 8–6–68, Cl. 145—133.

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Miller, George A., and C. Gianturco. Depository. 3,365,067, 1–23–68, Cl. 211—45.

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Kller, Lewis, Manetti, and Miller. 3,377,612.

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Miller, George T., to Hooker Chemical Corp. Organic electrolytic reactions. 3,361,653, 1–2–68, Cl. 204—74.

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Miller, Guy W., to United Aircraft Corp. Actuating mechanism. 3,391,898, 7–9–68, Cl. 251—58.

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Miller, Harold C., to Super-Cut. Method of making a peripheral diamond grinding wheel. 3,369,879, 2–20–68, Cl. 51—309.

Miller, Harold C., to Super-Cut, Inc. Peripheral diamond grinding wheel. 3,383,807, 5–21–68, Cl. 51—206.

Miller, Harold C., to Super-Cut, Inc. Adjustable spacer and stabilizing means for the saw blades of a gang sawmill. 3,384,064, 5–21–68, Cl. 125—17.

Miller, Harold N., and J. Versteeg, to Esso Research and Engineering Co. Process for preparing oil soluble additives which comprises reacting $AlCl_3$ to C_5 alkylene oxide with (a) reaction product of an alkenylsuccinic anhydride and an aliphatic polyamine (b) reaction product of alkenylsuccinic anhydride, a C_1 to C_{30} aliphatic hydrocarbon carboxylic acid and an aliphatic polyamine. 3,367,943, 2–6–68, Cl. 260—326.3.

Miller, Harry, to Sperry Rand Corp. Failure monitor for attitude reference systems. 3,401,549, 9–17–68, Cl. 73—1.

Miller, Harry L. Apparatus for inverting granular articles, such as coffee beans. 3,386,562, 6–4–68, Cl. 198—33.

Miller, Harvey E., and A. Mundy, to The General Tire & Rubber Co. Adhesive-bonded bushing and method of making same. 3,387,839, 6–11–68, Cl. 267—57.1.

Miller, Henry E., to Chicago Wheel & Mfg. Co. Portable motor driven power tool. 3,368,090, 2–6–68, Cl. 310—51.

Miller, Herbert B., Jr. Method and apparatus for arranging alpha-numeric indicia. 3,377,728, 4–16–68, Cl. 40—125.

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Miller, Jack M., and C. B. Masoner, to Carnation Co. Method and apparatus for removing processing heat from a food product in filled and closed containers. 3,389,568, 6–25–68, Cl. 62—63.

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Miller, Jacob J. Liquid pressure accommodation means. 3,375,799, 4–2–68, Cl. 114—16.6.

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Miller, James C., and C. M. Wine, to Radio Corp. of America. Display device. 3,414,897, 12–3–68, Cl. 340—324.

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Miller, John L., Jr., and K. H. Ivey, to United States of America, Interior. Method of making paper from mica flakes which have been subjected to hot aqua regia. 3,390,045, 6–25–68, Cl. 162—3.

Miller, John S., to The McKay Machine Co. Fluid cylinder assembly. 3,398,652, 8–27–68, Cl. 92—165.

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Miller, Lewis F., and K. E. Neisser, Jr., to International Business Machines Corp. Electrical resistor compositions, elements and method of making same. 3,390,104, 6–25–68, Cl. 252—512.

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Miller, Marshall B., M. H. Fitzwater, and A. A. Zook. Automatic non-freezing, hot-water-saving, purge system for vehicle washing apparatus. 3,400,725, 9–10–68, Cl. 134—57.

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Miller, Marvin, to Sibany Corp. Electrical connector. 3,366,915, 1–30–68, Cl. 339—49.

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Miller, Melvin W., and D. J. Crawford, to Ex Cell-O Corp. Paperboard container closure. 3,412,922, 11–26–68, Cl. 229—37.

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Miller, Park H., Jr., to Gulf General Atomic Inc. Signalling method and apparatus. 3,404,400, 10–1–68, Cl. 343—17.2.

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Miller, Richard A.: *See*—
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Miller, Roger L., to Aerojet-General Corp. Fissiochemical process for carbon-nitrogen bonding. 3,367,838, 2–6–68, Cl. 176—39.
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Wolfe, Wayne F., and A. M. and R. Miller. 3,389,810.
Miller, Roland E.: *See*—
Scaletta, Joseph A., Miller, and Valek. 3,380,282.
Miller, Ronald C., to Honeywell Inc. Mechanical mounting apparatus. 3,371,892, 3–5–68, Cl. 248—2.
Miller, Ronald F., to Hughes Aircraft Co. Connector securing device. 3,394,337, 7–23–68, Cl. 339—91.
Miller, Ronald M., and R. A. Rudnicki, to American-Lincoln Corp. Chain saw muffler. 3,404,749, 10–8–68, Cl. 181—40.
Miller, Roy E. and R. F., to General Automated Machinery Corp. Clutch and brake with non-rotatable fluid operator. 3,378,120, 4–16–68, Cl. 192—14.
Miller, Roy W., to Pullman Inc. Hand brake for flat deck car. 3,402,678, 9–24–68, Cl. 105—366.
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Miller, Samuel E., to Quick Service Textiles, Inc. Apparatus for feeding and cutting strip material. 3,381,639, 5–7–68, Cl. 112—130.
Miller, Samuel J., and C. P. Deming, to Whirlpool Corp. Drying with anti-wrinkle cycle. 3,391,467, 7–9–68, Cl. 34—45.
Miller, Sheldon M. Check plate with reinforced sealing member. 3,363,645, 1–16–68, Cl. 137—527.
Miller, Sheldon M. Pressure cable. 3,375,324, 3–26–68, Cl. 174—101.5.
Miller, Sidney E., deceased (by B. B. Miller, executrix), and D. H. Wheeler, to General Mills Inc. Polymerization of unsaturated fatty acids employing a synthetic lithium modified magnesium silicate catalyst. 3,405,150, 10–8–68, Cl. 260—407.
Miller, Sidney E., deceased, by B. B. Miller, executrix, to General Mills, Inc. Clay catalyst for polymerization of unsaturated fatty acids. 3,412,039, 11–19–68, Cl. 252—428.
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Berreman, Dwight W., and Miller. 3,410,627.
Miller, Stewart E., to Bell Telephone Laboratories, Inc. Pulse code modulator including a multifrequency oscillator. 3,384,839, 5–21–68, Cl. 332—14.
Miller, Stewart E., to Bell Telephone Laboratories, Inc. Maser intracavity phase modulator. 3,392,353, 7–9–68, Cl. 332—7.51.
Miller, Stewart E., to Bell Telephone Laboratories, Inc. Thermal gaseous electromagnetic transmission devices. 3,403,956, 10–1–68, Cl. 350—179.
Miller, Stewart E., F. Pernack, and C. J. Radtke, to National Broach & Machine Co. Wheel dresser. 3,370,385, 2–27–68, Cl. 51—5.
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Miller, Terrell V.: *See*—
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Miller, Terry G. Wingnut device. 3,395,601, 8–6–68, Cl. 85—32.
Miller, Theodore C., to Sterling Drug, Inc. Androstanopyridines and their preparation. 3,409,609, 11–5–68, Cl. 260—239.5.
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Miller, Thomas P., R. H. Duncan, and J. D. Sopinski, to International Telephone & Telegraph Corp. Toll ticketing telephone system. 3,394,229, 7–23–68, Cl. 179—7.1.
Miller, Tom B., to General Motors Corp. Filter protected radiator cap. 3,388,825, 6–18–68, Cl. 220—44.
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Geld, Isidore, and Miller. 3,410,772.
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Miller, Wendell E., N. L. Walter, and R. K. Tessmann, to The Cessna Aircraft Co. Hydraulic transmission. 3,396,536, 8–13–68, Cl. 60—53.
Miller, Wendell S. Power production solar energy concentrator. 3,364,676, 1–23–68, Cl. 60—26.
Miller, Wendell S. Mechanical reaction smoother. 3,364,755, 1–23–68, Cl. 74—41.
Miller, Wendell S. Ball accelerating apparatus. 3,364,787, 1–23–68, Cl. 74—572.
Miller, Wendell S. Light responsive apparatus for comparing cards or the like. 3,390,253, 6–25–68, Cl. 235—61.7.
Miller, Wendell S. Purification of water. 3,405,058, 10–8–68, Cl. 210—23.
Miller, Wendell S. Closed path laser devices. 3,414,835, 12–3–68, Cl. 331—94.5.
Miller, William, to A. E. Staley Mfg. Co. Process for treating potato slices with a cross-linking agent. 3,394,010, 7–23–68, Cl. 99—100.
Miller, William A., to Allied Chemical Corp. Method for agglomerating granular polytetrafluoroethylene. 3,366,615, 1–30–68, Cl. 260—92.1.
Miller, William A., to Fairchild Hiller Corp. Photographing film recording apparatus comprising a cathode ray tube having a face plate with inner electron targets correspondingly connected to outer electroluminescent elements. 3,366,817, 1–30–68, Cl. 313—73.
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Miller, William F. and J. H. Portable washer and collection tank assembly. 3,409,275, 11–5–68, Cl. 261—3.
Miller, William P., II, to The Goodyear Tire & Rubber Co. Method of at least partially removing a tire stud from a tire. 3,400,443, 9–10–68, Cl. 29—400.
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Miller, William R. Portable automotive equipment support. 3,381,953, 5–7–68, Cl. 269—17.
Miller, William R., and L. H. Thacker, to United States of America, Atomic Energy Commission. Linear responsive molten metal level detector. 3,366,873, 1–30–68, Cl. 324—40.
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Millerbernd, Paul A. Method of forming a lighting and transmission line pole. 3,365,778, 1–30–68, Cl. 29—155.
Milleron, Norman, to United States of America, Atomic Energy Commission. Vacuum pumping method and apparatus. 3,383,032, 5–14–68, Cl. 230—69.
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Millhiser, Robert G., and R. C. Winger, to Ajem Laboratories, Inc. Non-clogging type blast device. 3,374,581, 3–26–68, Cl. 51—8.
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Millidge, Alfred F.: *See*—
Brown, Christopher J., and Millidge. 3,405,172.
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Milligan, Charles L., and K. L. Hoy, to Union Carbide Corp. Water-dilutable polyurethane. 3,412,054, 11–19–68, Cl. 260—18.
Milligan, Charles T.: *See*—
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Milligan, Dale W., and R. D. Wanselow, to Northrop Corp. Slotted cone antenna. 3,401,387, 9–10–68, Cl. 343—767.
Milligan, George C.: *See*—
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Milligan, John D. Heat exchanger. 3,412,787, 11–26–68, Cl. 165—153.
Milligan, John G., to Jefferson Chemical Co., Inc. Method for preparing unsaturated polyesters. 3,370,043, 2–20–68, Cl. 260—75.
Milligan, Neal P. Phase-sensitive detector apparatus using sets of constant power variable average amplitude pulses. 3,399,346, 8–27–68, Cl. 324—87.
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Millis, Alexander. Container and closure therefor. 3,407,954, 10–29–68, Cl. 215—9.

Millman, Irving. to Merck & Co., Inc. Process for production of pertussis antigen. 3,395,219, 7–30–68, Cl. 424—92.

Millman, Mitchell W. Method and apparatus for injection of liquid fuels. 3,361,353, 1–2–68, Cl. 239—5.

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Millner, Elliott. Screw clip or the like including headless screws with cylindrical bore driving means. 3,419,135, 12–31–68, Cl. 206—56.

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Mills, Aubrey R., to Die Casting Machine Tools Ltd. Axle support for toy vehicles. 3,412,505, 11–26–68, Cl. 46—221.

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McEvoy, James E., and Mills. 3,383,331.

Mills, Harvey E., to The Cuneo Press, Inc. Method and apparatus for jogging and stacking signatures. 3,374,902, 3–26–68, Cl. 214—6.

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Mills, Ivor W., and W. T. Harvey, to Sun Oil Co. Admixtures of acid activated clay and adsorbents in the decolorization of waxes. 3,369,993, 2–20–68, Cl. 208—26.

Mills, Jack, and E. Krumkalns, to Eli Lilly and Co. Adamantyl secondary amines. 3,391,142, 7–2–68, Cl. 260—268.

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Lewis, Eugene W., Warden, Mills, and McNickle. 3,407,924.

Mills, John C., to Commonwealth Scientific and Industrial Research Organization. Manipulator for accurately positioning specimens within an electron microscope or an electron diffraction camera. 3,419,717, 12–31–68, Cl. 250—49.5.

Mills, Kenneth R., to Phillips Petroleum Co. Polyolefin-pigment blends. 3,408,322, 10–29–68, Cl. 260—41.

Mills, Kenneth R., to Phillips Petroleum Co. Antioxidant system for polyolefins. 3,409,587, 11–5–68, Cl. 260—45.85.

Mills, King L., to Phillips Petroleum Co. Production of powdered asphalt. 3,403,093, 9–24–68, Cl. 208—39.

Mills, King L., Jr., to Phillips Petroleum Co. Ammonolysis of alkyl halides. 3,399,236, 8–27–68, Cl. 260—585.

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Mills, Samuel M., and K. Husar, to Stone Straw Corp. Method of helically winding coil forms while extruding material onto the inner wall. 3,367,816, 2–6–68, Cl. 156—190.

Mills, Wallace R., to International Controls Corp. Flap valve device. 3,380,474, 4–30–68, Cl. 137—517.

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Mills, William R., Jr., to Mobil Oil Corp. Radioactive well logging system utilizing mechanically controlled pulsed neutron source. 3,388,253, 6–11–68, Cl. 250—83.3.

Mills, William R., Jr., to Mobil Oil Corp. Radiation measuring system. 3,413,473, 11–26–68, Cl. 250—83.3.

Mills, William W., Jr., to Thiokol Chemical Corp. Alignment checking device for penetrating radiation photography apparatus. 3,374,350, 3–19–68, Cl. 250—65.

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Milner, Ernest, to A. B. Metal Products Ltd. Electrical push button switch with improved slider contact. 3,371,168, 2–27–68, Cl. 200—16.

Milner, Louis B., K. C. Smith, and H. Wright, to Economy Division of Wright Industries. Milk blending and dispensing device. 3,412,902, 11–26–68, Cl. 222—143.

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Milroy, Warren E., to United States of America, Navy. Synchro-to-digital converter. 3,363,244, 1–9–68, Cl. 340—347.

Milster, Arthur N. Wagner Electric Corp. Control valve. 3,375,852, 4–2–68, Cl. 137—493.3.

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Ramsey, Willard A., and Minchey. 3,385,245.

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Miner, Jesse H., to United States of America, Navy. Ground loop signal cancellation. 3,394,269, 7–23–68, Cl. 307—229.

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Mishler, Ralph E., to Beckman Instruments, Inc. Housing and base construction for variable resistance device. 3,387,247, 6–4–68, Cl. 338—162.

Mishler, Ralph E., L. T. Peart, and D. D. Pettit, to Beckman Instruments, Inc. Variable resistance device. 3,378,802, 4–16–68, Cl. 338—174.

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Mitchell, Charles D., to Armstrong Cork Co. Phenylacetonitrile oximes. 3,374,249, 3–19–68, Cl. 260—396.

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Moes, Hendrik A., and H. A. V. Van Der Roer, to Van Dam Machine Corp. Printing or decorating machine. 3,411,439, 11–19–68, Cl. 101—38.

Moesker, Gerard, to North American Philips Co., Inc. Method of preparing electrodes for bonding to a semiconductive body. 3,376,635, 4–9–68, Cl. 29—471.1.

Moessinger, Albert. Weft control means in a gripper loom. 3,378,040, 4–16–68, Cl. 139—122.

Moessinger, Albert. Shuttle drive. 3,378,041, 4–16–68, Cl. 139—125.

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Moffett, Robert B., to The Upjohn Co. 1,1-bis(biphenylyl)-2-methyl-3-tertiary aminopropanols and salts thereof. 3,375,278, 3–26–68, Cl. 260—570.

Moffett, Robert B., to The Upjohn Co. 1,1 diphenyl-2-methyl-3-(3,5-dimethylmorpholino)propanols. 3,412,091, 11–19–68, Cl. 260—247.1.

Moffett, Robert B., to The Upjohn Co. 1,1-diphenyl-2-methyl-3-(2,6 dimethylmorpholino)propanols. 3,412,092, 11–19–68, Cl. 260—247.7.

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Mogard, Johan H., to Aktiebolaget Atomenergi. Fuel element for a nuclear reactor. 3,386,887, 6–4–68, Cl. 176—72.

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Mohajer, Ali A., and P. R. Thomas, to British Nylon Spinners Ltd. Elastomeric polyesters derived from glycols, dimerized fatty acids and aromatic dicarboxylic acids. 3,383,343, 5–14–68, Cl. 260—22.

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Mohan, Joseph C., to FMC Corp. Curl-resistant moistureproof regenerated cellulose film. 3,402,063, 9–17–68, Cl. 117—68.

Mohan, Raam R., F. J. Turner, and S. J. Schulte. Diagnostic preparation for the detection of formaldehyde. 3,409,405, 11–5–68, Cl. 23—230.

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Mohle, Horst, and R. Niewind, to Jagenberg-Werks AG. Apparatus for measuring the adhesive strength of adhesive strips. 3,394,588, 7–30–68, Cl. 73—150.

Mohler, Donald, and A. N. Salomon, to General Electric Co. Electrical capacitor. 3,365,626, 1–23–68, Cl. 317—230.

Mohler, Harry G. Carton with integral spout. 3,362,612, 1–9–68, Cl. 229—17.

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Philbrick, Herbert S., Jr. 3,384,362.

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Mohr, Reinhard, and F. Osterloh, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Dyeing nickel-modified polypropylene textiles with an acyl dihydroxybenzene azo dye. 3,389,956, 6–25–68, Cl. 8—42.

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Mohr, Rudolf. Apparatus for stacking material and automatically feeding the material to a worktable of a paper-cutting machine. 3,398,841, 8–27–68, Cl. 214—8.5.

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Mohrbacher, Richard J., G. I. Poos, and A. P. Roszkowski, to McNeil Laboratories, Inc. Certain 5-(R-R_1-R_2-methyl)-7-(R_3-R_4-methylene)-(R_5)-5-norbornene-2,3-dicarboximides. 3,378,566, 4–16–68, Cl. 260—295.

Mohrbacher, Richard J., and V. Paragamian, to McNeil Laboratories, Inc. 5-pyridyl-2,3,4,5-tetrahydrobenzothiepin-5-ols. 3,389,144, 6–18–68, Cl. 260—294.8.

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Mojonnier, Albert B., to Albert Mojonnier Inc. Method and apparatus for heat sealing containers. 3,383,260, 5–14–68, Cl. 156—156.

Mojonnier, Albert B., to Albert Mojonnier, Inc. Container with spout and closure therefor. 3,390,816, 7–2–68, Cl. 222—153.

Mojonnier, Albert B., to Albert Mojonnier, Inc. Filling machine. 3,402,523, 9–24–68, Cl. 53—55.

Mojonnier, Albert B., and H. E. Lowe, III, to Mojonnier, Inc. Plastic container with integral handle. 3,366,290, 1–30–68, Cl. 222—572.

Mojonnier, Albert B., and C. Ayala, to Union Carbide Corp. Method for joining thermoplastic bodies. 3,391,045, 7–2–68, Cl. 156—304.

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Mojonnier, Harry G.: *See*—
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Mojonnier, Oliver W. Link chain. 3,415,136, 12–10–68, Cl. 74—249.

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Mokrytzki, Boris, to Reliance Electric and Engineering Co. Increased efficiency commutation circuit for thyristors. 3,391,328, 7–2–68, Cl. 321—45.

Mola, Oswaldo. Rotary stage structure. 3,383,810, 5–21–68, Cl. 52—7.

Molau, Gunther E., and J. E. Mason, to The Dow Chemical Co. Anionic polymerization of certain vinyl monomers with a methylsulfinylcarbanion catalyst in a dimethylsulfoxide solvent. 3,415,795, 12–10–68, Cl. 260—79.3.

Molbach, Arne, to General Electric Co. Lamp bulb conveyor mechanism. 3,402,813, 9–24–68, Cl. 209—80.

Molberg, James R., to Doughboy Industries, Inc. Retainer and lock for swimming pool covers. 3,391,410, 7–9–68, Cl. 4—172.

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Mole, Cecil J., to Westinghouse Electric Corp. Thermoelectric heat exchanger. 3,370,434, 2–27–68, Cl. 62—3.

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Molenschot, Johannes L. F. M. Automatic weighing machine. 3,367,434, 2–6–68, Cl. 177—50.
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Krehbiel, John H. 3,409,859.
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Molgano, Frank A., Jr. Fire extinguishing apparatus. 3,387,-662, 6–11–68, Cl. 169—26.
Molho, Fred, to Societe Nouvelle d'Electronique et de la Radio-Industrie. Digital signal processing system. 3,386,077, 5–28–68, Cl. 340—146.1.
Molin, Charles: *See*—
Rouyer, Georges, and Molin. 3,376,726.
Molina, Roger, and E. J. Koepplin, to Crosman Arms Co., Inc. Stop control for moving picture target projector. 3,411,785, 11–19–68, Cl. 273—105.1.
Molinario, Lelio: *See*—
Lowe, Arnold J., Chandley, and Molinario. 3,380,967.
Molinaro, Lawrence J., to Reserve Mining Co. Machine and method for repairing rotor shafts. 3,392,610, 7–16–68, Cl. 82—1.
Moline, David A., to The Steel Co. of Canada, Ltd. Bridle. 3,389,591, 6–25–68, Cl. 72—205.
Molinet, Georges: *See*—
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Molins, Desmond W., to Molins Machine Co., Ltd. Manufacture of filter-tip cigarettes. 3,364,934, 1–23–68, Cl. 131—61.
Molins, Desmond W., to The Molins Organisation Ltd. Manufacture of mouthpiece cigarettes. 3,371,669, 3–5–68, Cl. 131—94.
Molins, Desmond W., to The Molins Organisation Ltd. Manufacture of mouthpiece cigarettes. 3,384,094, 5–21–68, Cl. 131—94.
Molins, Desmond W., to Molins Machine Co., Ltd. Manufacture of filter plugs. 3,399,606, 9–3–68, Cl. 93—1.
Molins, Desmond W., and G. A. Cruickshank, to The Molins Organisation Ltd. Apparatus for feeding stubs. 3,365,239, 1–23–68, Cl. 302—2.
Molins, Desmond W., and F. A. M. Labbe, to Molins Organisation Ltd. Apparatus for making continuous cigarette rods. 3,374,795, 3–26–68, Cl. 131—21.
Molins, Desmond W., and E. S. Doerman, to Molins Machine Co., Ltd. Apparatus for tip turning cigarettes. 3,412,842, 11–26–68, Cl. 198—32.
Molins Machine Co. Ltd.: *See*—
Labbe, Francis A. M. 3,380,782.
Liedtke, Kurt. 3,417,855.
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Molins, Desmond W. 3,364,934.
Molins, Desmond W. 3,399,606.
Molins, Desmond W., and Doerman. 3,412,842.
Orloff, George, and Pathare. 3,391,538.
Pembroke, George F., Hillman, and New. 3,372,790.
Powell, Gordon F. W., and Hinton. 3,377,614.
Rowlands, Tom, and Parkinson. 3,931,826.
Swarbrick, Justin H. 3,392,985.
Tempel, Karl. 3,410,607.
Williamson, David T. N. 3,387,736.
Williamson, David T. N. 3,419,204.
Williamson, David T. N., Muir, and Chapman. 3,380,436.
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Molins Organisation Ltd.: *See*—
Molins, Desmond W. 3,371,669.
Molins, Desmond W. 3,384,094.
Molins, Desmond W., and Cruickshank. 3,365,239.
Molins, Desmond W., and Labbe. 3,374,795.
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Morris, James E., and Szaksz. 3,365,046.
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Williamson, David T. N., and Muir. 3,381,217.
Wisdom, Peter E. 3,367,245.
Yongman, Derek H., Bridger, and Gagg. 3,380,227.
Molis, John. Billiard cue stroke guiding stem. 3,372,929, 3–12–68, Cl. 273—23.
Molis, John. Billiard cue handle assembly. 3,372,932, 3–12–68, Cl. 273—68.
Molitor, Robert P., and V. E. Valentine, to A. G. Spalding & Bros., Inc. Golf ball cover composition comprising a blend of polyesterurethane elastomers. 3,395,109, 7–30–68, Cl. 260—22.
Moll, Franz: *See*—
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Honig, Hans L., Kolb, Moll, and Morcher. 3,386,831.
Moll, Jan J. A., to Fabriek Van Chemische Producten Vondelingenplaat N.V. Preparation of water soluble sulfur vat dyes. 3,372,167, 3–5–68, Cl. 260—315.
Moll, John A. Foreign material eliminator and aerial warning marker for overhead conductors. 3,391,244, 7–2–68, Cl. 174—40.
Moll, Nayland. Comminuted materials metering assembly. 3,368,720, 2–13–68, Cl. 222—181.
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Fries, Kurt, and Weis. 3,369,471.
Mollard, Paul, to Ugine Kuhlmann. Sodium perborate and process for preparation of same. 3,403,984, 10–1–68, Cl. 23—315.
Mollenhoff, Klaus: *See*—
Marx, Erwin O., Grosskopf, Kruckewitt, Ann, Erk, Schmitz, and Mollenhoff. 3,384,724.
Mollenkopf, Hans: *See*—
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Moller, Bynum W. Composite rearview mirror. 3,411,843, 11–19–68, Cl. 350—303.
Moller, Carl G. Loose leaf binder. 3,362,411, 1–9–68, Cl. 129—1.
Moller, Carl G. Loose leaf binder. 3,362,412, 1–9–68, Cl. 129—1.
Moller, G. T.: *See*—
Stone, Wayne B., Jr. 3,416,269.
Moller, Hugo, to Saab Aktiebolag. Hydraulic forming press. 3,392,563, 7–16–68, Cl. 72—63.
Moller, J. C., Optische Werke G.m.b.H.: *See*—
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Moller, Jens L., and F. A. Siemonsen, to Reynolds Metals Co. Container opening means and pull tab therefor or the like. 3,403,811, 10–1–68, Cl. 220—54.
Moller, Paul S. Aircraft. 3,410,507, 11–12–68, Cl. 244—23.
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Mollison, Paul R. Device for isolating and earthing the electrical circuit of motor vehicles in the event of a collision. 3,410,359, 11–12–68, Cl. 180—103.
Molloy, Everett W., to The Yellow Springs Instrument Co., Inc. Polarographic sensor. 3,406,109, 10–15–68, Cl. 204—195.
Mollring, Friedrich K., to Carl-Zeiss-Stiftung, d.b.a. Carl Zeiss. Illumination device for microscopes. 3,414,345, 12–3–68, Cl. 350—87.
Molnar, Dennis: *See*—
Manney, Charles J., Robinson, and Molnar. 3,373,560.
Royer, William W., Molnar, Kaye, and Robinson. 3,415,-135.
Molnar, Louis: *See*—
Conces, Robert A., and Molnar. 3,365,922.
Molnar, Robert J., and W. Parfomak, to The Bendix Corp. Single transistorized comparator circuit. 3,363,112, 1–9–68, Cl. 307—235.
Molnar, Robert J., and W. Parfomak, to The Bendix Corp. Means for converting a synchro shaft angle to a linear direct current signal. 3,375,508, 3–26–68, Cl. 340—198.
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Shorthouse, Joseph. 3,394,827.
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Molstedt, Byron V., and R. L. Scheuermann, to Esso Research and Engineering Co. High temperature transfer line heater. 3,400,920, 9–10–68, Cl. 263—21.
Molt, Kenneth R.: *See*—
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Bursack, Kenneth F., Johnston, and Moltzan. 3,413,357.
Bursack, Kenneth F., Moltzan, and Johnston. 3,413,341.
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Sibert, Wilhelm. 3,377,279.
Molyneux, Alan: *See*—
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Molz, Josef, to Koppers-Wistra Ofenbau G.m.b.H. Pusher type furnace. 3,367,641, 2–6–68, Cl. 263—6.
Molzan, Albert R., and K. Hendricks, to Rocket Jet Engineering Corp. Manually-operated quick disconnect. 3,365,759, 1–30–68, Cl. 24—230.
Mombazet, René, and N. Raynaud, to Commissariat a l'Energie Atomique. Support structure for nuclear fuel elements. 3,364,122, 1–16–68, Cl. 176—66.
Mommsen, Gordon V., to Possis Machine Corp. Method for mounting and masking a workpiece. 3,367,789, 2–6–68, Cl. 117—18.
Mommsen, Gordon V., and M. J. Straub, to Possis Machine Corp. Airflow mandrel. 3,377,984, 4–16–68, Cl. 118—69.
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D'Alelio, Gaetano F. 3,395,134.
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D'Alelio, Gaetano F. 3,414,550.
Monaco, Michael: *See*—
Findley, William B., Jr., and Monaco. 3,391,322.
Monaghan, Leo J., V. A. Aliberti, and D. M. Sullivan, to Monsanto Company. Polyvinyl alcohol films plasticized with monophenyl ether of polyoxyethylene. 3,365,413, 1–23–68, Cl. 260—33.2.

Monaghan, Richard P. Method of forming and using teeth covers. 3,379,193, 4-23-68, Cl. 128—136.

Monahan, Jack J.: *See*—
Gubitose, Nicholas F., and Monahan. Re. 26,435.
McAlexander, Joseph C., Jr., and Monahan. 3,405,671.

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Deering, Christopher P., and Monahan. 3,368,810.

Monahan, Leo: *See*—
Grant, Allan, and Monahan. 3,407,530.

Monahan, Thomas G. Hand operated stapler. 3,398,872, 8-27-68, Cl. 227—110.

Monarch Forge and Machine Works, Inc.: *See*—
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Monarch Machine Tool Co., The: *See*—
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Sturm, Walter V. 3,375,742.

Monarch Marking System Co., The: *See*—
Hamisch, Paul H. 3,409,760.
Hamisch, Paul H., and Kern. 3,418,456.
La Mers, Herbert. 3,413,447.

Monarch Road Machinery Co.: *See*—
Jackoboice, Edward W. 3,394,544.

Monarch Rubber Co., The: *See*—
Church, Herman S., and Price. 3,367,685.
Church, Herman S., and Price. 3,381,362.
Price, Don C. 3,365,926.
Price, Don C. 3,365,997.
Price, Don C. 3,412,593.

Monarch Tool & Machinery Co.: *See*—
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Monasco Mfg. Co.: *See*—
Maltby, Lewis J. 3,391,881.

Monballiu, Marcel J., A. H. De Cat, and R. K. Van Poucke, to Gevaert Photo-Producten N.V. Photographic color material and process utilizing 5-pyrazolone color couplers. 3,393,-071, 7-16-68, Cl. 96—56.5.

Monck, Myron C.: *See*—
Gould, Joseph C., Monck, and Lynch. 3,399,677.

Moncure, Henry, Jr., to E. I. du Pont de Nemours and Co. Stabilized polyoxymethylene compositions. 3,406,222, 10-15-68. Cl. 260—857.

Mondano, Ralph L., to Custom Materials, Inc. Valve. 3,410,-300, 11-12-68, Cl. 137—223.

Mondiadis, Dimitri G., to Howe Sound Co. Surgical evacuator device. 3,376,868, 4-9-68, Cl. 128—278.

Mondineu, Remy E. R. Trolley for conveying and handling various products. 3,407,959, 10-29-68, Cl. 220—6.

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Mondot, Jacques, and M. Kapluszak, to Institute de Recherches de la Siderurgie Francaise. Ultrasonic transducer arrangement. 3,363,117, 1-9-68, Cl. 310—8.1.

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Mones, Arthur H.: *See*—
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Boyd, James R., Mones, and Schottmiller. 3,372,058.

Money, James B., to International Business Machines Corp. Cathode ray tube microfilm indexing system. 3,409,796, 11-5-68, Cl. 315—10.

Moneymaker, John R.: *See*—
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Monfort, Platt. Wood treatment and adhesive bonding and sealing technique. 3,389,037, 6-18-68, Cl. 156—305.

Monforts A. Maschinenfabrik: *See*—
Walk, Georg. 3,385,143.

Mong, Raymond R.: *See*—
Kaufman, Bruce F., Jr., and Mong. 3,398,222.

Mong, William K.: *See*—
McClure, Glenn T., and Mong. 3,370,893.
McClure, Glenn T., and Mong. 3,378,108.

Mong, William K., and G. T. McClure, to Westinghouse Air Brake Co. Fluid pressure brake control apparatus with manual brake cylinder release. 3,385,638, 5-28-68, Cl. 303—69.

Mongelluzzo, Anthony E. Prefrabricated trash container. 3,379,335, 4-23-68, Cl. 220—62.

Mongesku, William O., to General Electric Co. Dial indicator apparatus for radio receiver. 3,416,486, 12-17-68, Cl. 116—124.1.

Mongesku, William O., and W. B. Scott, Jr., to General Electric Co. Arrangement for mounting a control device. 3,362,732, 1-9-68, Cl. 287—20.

Mongodin, Guy E. V., to Societe Anonyme: Societe Alsacienne de Constructions Atomiques de Telecommunications et d'Electronique "Alcatel." Vacuum pumping unit. 3,392,538, 7-16-68, Cl. 62—55.5.

Monin, Claude, to CIT-Compagnie Industrielle des Telecommunication. Frequency divider arrangement. 3,413,489, 11-26-68, Cl. 307—225.

Monin, Claude, and P. Moch, to C.I.T. Compagnie Industrielle des Telecommunications. Electromagnetic delay device. 3,413,415, 11-26-68, Cl. 178—70.

Monin, Edmond, to "C.O.R.E.C.I." Compagnie de Regulation et de Controle Industriel. Control devices for movable carriages and the like. 3,383,572, 5-14-68, Cl. 318—18.

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Glick, Roy V., McNeal, and Costanzo. 3,414,896.

Monitor Mfg., Inc.: *See*—
Gruber, George E. 3,396,694.

Monk, Brian A., to S. A. Monk (Sutton-in-Ashfield), Ltd. Flat bed knitting machines and method of knitting. 3,375,-681, 4-2-68, Cl. 66—70.

Monk, Brian A., to S. A. Monk (Sutton in Ashfield) Ltd. Multihead fully fashioned knitting machines. 3,418,829, 12-31-68, Cl. 66—70.

Monk, S. A., (Sutton in Ashfield) Ltd.: *See*—
Monk, Brian A. 3,375,681.
Monk, Brian A. 3,418,829.

Monk, Travis B. Combustion engine muffler. 3,393,767, 7-23-68, Cl. 181—67.

Monks, Frederick P. Package wrapping and sealing apparatus. 3,381,450, 5-7-68, Cl. 53—390.

Monks, Irene H., H. C. Oldland, and Stevenson, to Scottish Agricultural Industries Ltd. Process for granulating ammonium nitrate compositions. 3,384,471, 5-21-68, Cl. 71—59.

Monks, Joseph R.: *See*—
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Monks, Joseph R., Jr., to Owens-Illinois, Inc. Glass melting method. Re. 26,328, 1-2-68, Cl. 106—52.

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Monn, Stanislaus. Device for the analysis of the sinking speed of blood corpuscles in a calibrated tube. 3,373,601, 3-19-68, Cl. 73—61.4.

Monnat, Pierre, to Infranor S.A. Illuminating floodlight. 3,387 124, 6-4-68, Cl. 240—1.2.

Monnich, Carl E., to Sterer Engineering and Mfg. Co. Diaphragm relief valve. 3,419,039, 12-31-68, Cl. 137—510.

Monnier, Richard E., to Hewlett-Packard Co. Trigger circuit having a trigger level which varies with applied signal amplitude. 3,392,307, 7-9-68, Cl. 315—25.

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Mono-Sol Division, Baldwin-Montrose Chemical Co., Inc.: *See*—
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Blanco, Thomas S., and Kratz. 3,413,229.

Mono-Systems, Inc.: *See*—
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Monot, Pierre. Apparatus for the production of a coating layer of glass material. 3,390,836, 7-2-68, Cl. 239—81.

Monotype Corp Ltd., The: *See*—
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Monro, Alastair M.: *See*—
Angstein, Joachim, and Monro. 3,369,029.
Angstein, Joachim, Monro, and Potter. 3,413,310.

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Monroe, Benjamin F. Retractable seat belt. 3,384,415, 5-21-68, Cl. 297—388.

Monroe, Elmer S., Jr., to E. I. du Pont de Nemours and Co. Steam trap design and method. 3,403,853, 10-1-68, Cl. 236—56.

Monroe, John E. Prefabricated furniture. 3,406,645, 10-22-68, Cl. 108—23.

Monroe, Lloyd I. Camber gauge. 3,374,545, 3-26-68, Cl. 33—74.

Monroe, Robert C., to Schlumberger Technology Corp. Well jar. 3,399,741, 9-3-68, Cl. 175—297.

Monroe, Roger F., to The Dow Chemical Co. Polymeric compositions from ethylenediamine-tetraacetic acid and hexamethylenediamine. 3,418,288, 12-24-68, Cl. 260—78.

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Bain, Peter J. S., and Dibbo. 3,406,141.
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Bell, Cyril O. R. 3,377,282.
Birum, Gail H., Anderson, and Clampitt. 3,385,801.
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Birum, Gail H., and Matthews. 3,390,166.
Black, William B., and Morehead. 3,383,367.
Bolles, William L., Chappell, and Stanton. 3,388,531.
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Brown, Joseph P., and McCall. 3,406,158.
Buckley, Francis T., Mason, and Riek. 3,388,033.
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D'Amico, John J., and Webster. 3,392,170.
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Goodner, Homer W. 3,387,756.
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Griffin, Tom D., McKoy, and Millar. 3,387,943.
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Hedrick, Ross M., Tierney, and Richard. 3,386,943.
Herritty, Michael J. 3,381,884.
Hirsy, John W. 3,389,168.
Holan, George. 3,377,239.
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Lavin, Edward, and Mont. 3,389,047.
Lee, Emerson H. 3,387,053.
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McEwan, Gilbert J., and Clark. 3,387,056.
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Shen, Chung Y. 3,387,923.
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Andersen, Harry M., Gabbert, and Deex. 3,403,137.
Anderson, George J., and Fantl. 3,396,049.
Alt, Gerhard H., and Speziale. 3,370,060.
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Ballentine, James B., and Crovatt. 3,365,427.
Barkhuff, Raymond A., Jr. 3,408,424.
Barton, David M. 3,395,268.
Barton, David M., and Koepp. 3,401,350.
Bauer, William G. 3,367,967.
Beer, Ludwig A. 3,381,056.
Benson, Royal H. 3,408,336.
Binns, Robert A., Horne, and Marshall. 3,365,803.
Birum, Gail H. 3,363,031.
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Bishop, Charles F. 3,396,135.
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Brennan, Wendell E., and Biles. 3,375,829.
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Broussalian, George L. 3,367,879.
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Michelson, Christian E., and Montgomery. 3,384,562.

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Moore, William C., and M. R. Caldwell, to Welch Allyn, Inc. Illuminating endoscope with disposable elements. 3,417,746, 12–24–68, Cl. 128—6.
Moore, William G.: *See*—
Bazilli, Michael V., Siddall, Moore, and Whitesides. 3,374,956.
Burgert, Billy E., and Moore. 3,373,121.
Moore, William G., to The Dow Chemical Co. Gamma manganese dioxide, method of preparing and dry cell type battery employing gamma type manganese dioxide. 3,414,440, 12–3–68, Cl. 136—107.
Moore, William H., to Langston Co. Counter and bundle ejector. 3,387,719, 6–11–68, Cl. 214—6.
Moore, William H., to Meehanite Metal Corp. Mixing ladle. 3,401,034, 9–10–68, Cl. 75—61.
Moore, William J. Hole cutting apparatus. 3,931,460, 7–9–68, Cl. 30—358.
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Elliott, Dale E., Elliot, G. A., and Moore. 3,415,822.
Moore, William P., and D. E. Elliott, to Allied Chemical Corp. Free-flowing cyanuric acid. 3,380,667, 4–30–68, Cl. 241—30.
Moore, William P., and J. A. Smith, to Allied Chemical Corp. Production of cyanuric acid. 3,394,136, 7–23–68, Cl. 260—248.
Moore, William P., and D. E. Elliott, to Allied Chemical Corp. Production of cyanuric acid. 3,394,136, 7–23–68, Cl. 260—248.
Moore, William P., and R. R. MacGregor, to Allied Chemical Corp. Chlorinated isocyanuric acid production. 3,415,823, 12–10–68, Cl. 260—248.
Moore, William P., Jr.: *See*—
MacGregor, Rob R., and Moore. 3,377,139.
Moore, William R., to The Dow Chemical Co. Dry cleaning process. 3,396,115, 8–6–68, Cl. 252—172.
Moore, William R., and J. T. Zeigler, to General Electric Co. Marking incremental lengths of insulated foil strip electrodes in equal capacitances in response to integrated speed and capacitance signals. 3,378,767, 4–16–68, Cl. 324—71.
Moorefield, Carlton S. Counter-measures system for blocking telephone lines to unauthorized signals. 3,373,246, 3–12–68, Cl. 179—2.
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Moores, Robert G., Jr., to The Black and Decker Mfg. Co. Adjustable slip clutch for rotary tools. 3,396,557, 8–13–68, Cl. 64—30.
Moores, Robert G., Jr., to The Black and Decker Mfg. Co. Transmission and clutch for rotary tool. 3,396,593, 8–13–68, Cl. 74—371.
Moorhead, Donald M., and B. Hayhoe, to Moorhead Machinery & Boiler Co. Method for conversion of anhydrous ammonia to aqueous ammonia and apparatus therefor. 3,389,962, 6–25–68, Cl. 23—193.
Moorhead, John O., and J. T. Hancock, to Texas Instruments, Inc. Thermostatic switch with improved capacity and automatic calibration. 3,416,115, 12–10–68, Cl. 337—343.
Moorhead, John P., and J. A. Shock, to Evans Products Co. Freight bracing apparatus. Re. 26,500, 12–10–68, Cl. 105—369.
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Moorehead, Robert M., to Collins Radio Co. Mechanical tuning arrangement for dual helix winding antenna (compact antenna, 30–76 megacycles). 3,419,874, 12–31–68, Cl. 343—877.
Moorhusen, Robert W., to Xerox Corp. Gate assembly. 3,409,364, 11–5–68, Cl. 355—92.
Moorhusen, Robert W., D. E. Webb, and E. Zucker, to Xerox Corp. Contact printer. 3,409,365, 11–5–68, Cl. 355—92.
Moorman, Cletus L., to General Motors Corp. In-floor air caster cargo handling system. 3,413,041, 11–26–68, Cl. 302—29.
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McNair, John W., Jr., Jones, Columbo, Moors, Ademino, Jackson, and Morris. 3,365,111.
Moors, Harold B., W. E. Schwenk, W. J. Crothers, Jr., and J. N. Ademino, to International Paper Co. Applicator. 3,385,260, 5–28–68, Cl. 118—202.
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Mellen, Robert H., Berman, and Moothart. 3,403,374.
Mora, Alcide. Process for manufacturing resiliently yielding bases provided with abrasive surfaces and product thus obtained. 3,401,490, 9–17–68, Cl. 51—295.
Mora, Raul L. Inflatable construction panels and method of making same. 3,388,509, 6–18–68, Cl. 52—2.
Mora, Zoltan P. Chromosome analyzer and method. 3,401,458, 9–17–68, Cl. 33—1.
Morace, Mario. Method of regenerating used lubricating oil. 3,417,012, 12–17–68, Cl. 208—181.
Moragne, Edward L. Control valve. 3,388,718, 6–18–68, Cl. 137—494.
Moragne, Edward L. Animal stand. 3,396,818, 8–13–68, Cl. 182—187.
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Morales, Juan G., to Shell Oil Co. Crotonic acid, 3-hydroxy, (halo) alkenyl or (halo) alkynyl ester, di lower (halo) alkyl phosphates. 3,366,715, 1–30–68, Cl. 260—941.
Morales, Richard. Splash painting decorating device. 3,373,717, 3–19–68, Cl. 118—6.
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Moran, Edward F. Portable power operated barbecue apparatus. 3,387,555, 6–11–68, Cl. 99—421.
Moran, James, to Time, Inc. Paper-forming method and apparatus. 3,403,073, 9–24–68, Cl. 162—203.
Moran, James G. Inflatable illuminable toy. 3,363,350, 1–16–68, Cl. 40—106.54.
Moran, James H., to Schlumberger Technology Corp. Well logging with borehole effect compensation and including memory storage of borehole measurements. 3,405,349, 10–8–68, Cl. 324—6.
Moran, Joseph P., and R. Czajkowski, to Motorola, Inc. Character printer utilizing a rope memory. 3,419,887, 12–31–68, Cl. 346—74.
Moran, Kevin E., to Union Oil Co. of California. Apparatus for extruding and filling plastic containers. 3,369,273, 2–20–68, Cl. 18—14.
Moran, Robert J., H. M. Shneider, E. E. Masterson, and G. J. Bunner, to Honeywell Inc. High speed printer with improved paper engine arrangement. 3,414,106, 12–3–68, Cl. 197—133.
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Morana, Simon J., and W. J. Koshuba, to The Beryllium Corp. Dry process for controlled surface oxidation of beryllium powders. 3,387,966, 6–11–68, Cl. 75—.5.

Morando, Angelo: *See*—
Vittorelli, Sergio, Canonici, and Morando. 3,365,416.
Morandnzzo, Dario. Lamp socket and bulb assembly. 3,371,-306, 2-27-68, Cl. 339—59.
Moranduzzo, Dario. Method of forming an electric light bulb socket. 3,404,453, 10-8-68, Cl. 29—628.
Morane, Bruno, to L'Oreal. Container having separate chambers and provided with means for connecting said chambers. 3,410,444, 11-12-68, Cl. 220—20.
Morash, Daniel. Method of and apparatus for the distribution of fibers for flocking machines. 3,403,817, 10-1-68, Cl. 222—1.
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Morawetz, Peter L., R. J. Petschauer, and E. A. Kruschke, to Fabri-Tek, Inc. Hysteresis loom checker for magnetic memory array elements. 3,375,440, 3-26-68, Cl. 324—34.
Morawski, Julian. Gas cleaning device. 3,370,407, 2-27-68, Cl. 55—413.
Morawski, London T., and J. J. Parker. Clamp. 3,397,879, 8-20-68, Cl. 269—91.
Morbeck, James A., to American Can Co. Molded integral cap and container. 3,380,608, 4-30-68, Cl. 215—1.
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Mordwinkin, George, to Sensor Corp. Universal-sensor control system. 3,380,044, 4-23-68, Cl. 340—213.
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Moreau, Jean R., to Canada Packers Ltd. Packaging of comminuted meat products. 3,393,077, 7-16-68. Cl. 99—174.
Moreau, Wilfred J. Hat shaping device. 3,402,865, 9-24-68. Cl. 223—84.
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Lynch, James E., and Morehart. 3,409,862.
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Morehouse, Donald S., and J. L. Kneese, to The Dow Chemical Co. Label and labelled container. 3,401,475, 9-17-68, Cl. 40—306.
Morehouse, Earl P., and M. L. Johnson. Towing hitch. 3,419,-285, 12-31-68, Cl. 280—446.
Morehouse, Edward L., to Union Carbide Corp. Siloxane-alcohol ethers 3,381,019, 4-30-68, Cl. 260—340.9.
Morehouse, Edward L., to Union Carbide Corp. N,N-disubstituted aminoalkylsiloxane copolymers and amine oxide, quaternary ammonium salt, and coordination compounds of transition metal derivatives thereof. 3,402,191, 9-17-68, Cl. 260—448.2.
Morehouse, Laurence E., to McDonnell Douglas Corp. Physiologically paced ergometric system. 3,395,698, 8-6-68, Cl. 128—2.05.
Moreines, Harold, to The Bendix Corp. Amplitude responsive signal selective gate for monitoring dual redundant systems. 3,363,111, 1-9-68, Cl. 307—235.
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Morel, Roger C. M., and P. Tauveron, to Sames, Societe Anonyme de Machines Electrostatiques. Method and apparatus for the electrostatic sorting of granular materials. 3,402,814, 9-24-68, Cl. 209—127.
Morel, Roger C. M., and P. Tauveron, to Societe Anonyme de Machines Electrostatiques. Method and apparatus for the electrostatic sorting of granular materials. 3,407,930, 10-29-68. Cl. 209—11.
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Seale, Virgil L., Moreland, and De Shazo. 3,383,326.
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Moreland, William C., II, to Westinghouse Electric Corp. Modular lighting system and control means using a single interconnecting conductor between any two lamp circuits. 3,405,315, 10-8-68, Cl. 315—166.
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Morelock, Oliver J., to The Triplett Electrical Instrument Co. Test apparatus for determining beta and leakage current of an in circuit or out of circuit transistor. 3,370,233, 2-20-68. Cl. 324—158.
Moren, John L., and W. D. Bennett. Aircraft landing signal device. 3,365,698, 1-23-68, Cl. 340—27.
Moren, Rolf E., to Mo och Domsjo Aktiebolag. Treatment of wood with a polyhydric alcohol and an alkylene oxide. 3,406,038. 10-15-68. Cl. 117—62.1.
Moreno, Albert M. Device for tensioning straps, wires, or like flexible elements. 3,416,763, 12-17-68, Cl. 248—361.
Moreno, Oscar. Six-sided foldable box construction. 3,377,015, 4-9-68, Cl. 229—16.
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Morgan, Fred W., and H. N. Ipsen, decreased (by The Illinois National Bank and Trust Co., executor), to Alco Standard Corp. Construction of insulated furnace wall. 3,368,802, 2–13–68. Cl. 263—40.
Morgan, Gerald E. Collapsible walkway. 3,370,882, 2–27–68, Cl. 296—1.
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Morgan, Herbert S., Jr., to Monsanto Co. Process for spinning wholly aromatic polyamide fibers. 3,414,645, 12–3–68, Cl. 264—210.
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Morgan, William R., Jr. Floor expansion joint assemblies. 3,368,313, 2–13–68, Cl. 52—278.
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Morrison, John D., to J. S. Plastics Inc. Linerless plastic closures. 3,414,151, 12–3–68, Cl. 215—40.
Morrison, John E., Jr., to Massey-Ferguson, Inc. Planting method and apparatus. 3,362,361, 1–9–68, Cl. 111—73.
Morrison, John M., to Conditionaire Australia Pty., Ltd. Air screen creating-air conditioning apparatus. 3,394,755, 7–30–68, Cl. 165—103.
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Morrison, Joseph D.: *See*—
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Morrison-Knudsen Co., Inc.: *See*—
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Morrison, Lester G., to B. L. Morrison. Combination paint cup and filler for spray guns. 3,401,842, 9–17–68, Cl. 222—181.
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Morrison, Ralph, to Dynamics Instrumentation Co. Shielding arrangement for a reed relay. 3,408,603, 10–29–68, Cl. 335—151.
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Morrison, Willa C. Nap band attachment for hair dryers. 3,372,491, 3–12–68, Cl. 34—99.
Morrison, Willard L., to The Union Stock Yard and Transit Co. of Chicago. Method of retaining volatile essences in coffee during roasting. 3,399,998, 9–3–68, Cl. 99—68.
Morrison, William E. Optical reproduction apparatus. 3,372,616, 3–12–68, Cl. 88—24.
Morrison, William E., and P. Painter, to Jenn-Air Corp. Ventilating skylight with heat-vent. 3,396,652, 8–13–68, Cl. 98—43.
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Morrow, James G., to The Manitowoc Co. Inc. Multiple variable torque converter apparatus. 3,383,951, 5–21–68, Cl. 74—718.
Morrow, James J., Jr., to Fischer & Porter Co. Method for measurement of residual chlorine or the like. 3,413,199, 11–26–68, Cl. 204—1.
Morrow, Robert D., and A. S. Hegeman, to Par Ltd. Video tape recorder using amplitude modulated carrier and saturated tape. 3,405,232, 10–8–68, Cl. 178—6.6.
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Morrow, Scott I., M. M. Fein, and D. D. Perry, to Thiokol Chemical Corp. Dihaloamino-carboranes. 3,406,203, 10–15–68, Cl. 260—583.
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Morse, Frank E., Jr. Cover construction for open body trucks. 3,416,834, 12–17–68, Cl. 296—100.
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Morse, John F. Push-pull cable casings. 3,395,551, 8–6–68, Cl. 64—3.
Morse, John F. Adjusting drum for remote transfer system. 3,403,578, 10–1–68, Cl. 74—501.
Morse, Leon E., to United States of America, Atomic Energy Commission. Extraction method for preparing UO_2 microspheres. 3,367,881, 2–6–68, Cl. 252—301.1.
Morse, Milton, Spiral shaped threaded locking fastener. 3,391,720, 7–9–68, Cl. 151—14.
Morse, Philip, to Hyland Laboratories. Method of preparation of purified agar. 3,362,884, 1–9–68, Cl. 195—7.
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Mortensen, Joyce D. Portable office. 3,408,126, 10–29–68, Cl. 312—183.
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Mortenson, Victor A., to Anderson Power Products, Inc. Modular high current switch. 3,381,105, 4–30–68, Cl. 200—164.
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Mortimer, George A., to Monsanto Co. Ethylene polymerization in the presence of a free-radical catalyst and as a chain-transfer agent a minor mount of phosphine. 3,377,330, 4-9-68, Cl. 260—94.9.

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Mortley, Wilfrid S., to The Marconi Co. Ltd. Equipment testing systems for visually indicating faults occurring at any of a number of testing points. 3,398,363, 8-20-68, Cl. 324—73.

Morton, George A., R. J. Pressley, and S. V. Forgue, to United States of America, Army. Infrared imaging device with photoconductive target. 3,398,316, 8-20-68, Cl. 315—10.

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Morton, William A., to Sunbeam Engineering Corp. Continuously renewable checker chamber for regenerative furnaces and the like. 3,384,358, 5-21-68, Cl. 263—51.

Morton, William A., to Sunbeam Corp. Shuttle hearth furnaces. 3,398,939, 8-27-68, Cl. 263—6.

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Morway, Arnold J., to Esso Research and Engineering Co. Lubricants containing mixed metal salts of mono- and polybasic acids. 3,389,085, 6-18-68, Cl. 252—41.

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Mosak, Joel L., to Vapor Corp. High efficiency voltage regulating circuit. 3,403,321, 9-24-68, Cl. 323—20.

Mosbacher, Bruce H., and G. W. Nelson, to Roper Industries, Inc. Fluid pump or motor. 3,397,645, 8-20-68, Cl. 103—126.

Mosby, Russell C., to Zapata Off-Shore Co. Apparatus for laying submerged pipe. 3,411,306, 11-19-68, Cl. 61—72.3.

Mosby, William L., to American Cyanamid Co. 4-substituted imino 2,2-diorgano-1,3,2-dithiastannetanes, arsetanes and stibetanes. 3,365,478, 1-23-68, Cl. 260—429.7.

Mosby, William L., to American Cyanamid Co. 2-imino-naphtho[2,3-d]-1,3-dithiole-4,9-diones. 3,402,180, 9-17-68, Cl. 260—327.

Mosby, William L., and M.-L. Silva, to American Cyanamid Co. Certain substituted quinones and their preparation. 3,387,004, 6-4-68, Cl. 260—349.

Mosby, William L., and M.-L. Vega, to American Cyanamid Co. Heteroevclic phosphine imide compounds and preparation. 3,389,137, 6-18-68, Cl. 260—256.4.

Mosby, William L., and E. Klingsberg, to American Cyanamid Co. Substituted dithiarsols and dithiastiboles. 3,397,217, 8-13-68, Cl. 260—440.

Moscarini, Flaviano. Variable area rate-of-flow meter. 3,377,857, 4-16-68, Cl. 73—207.

Moscarski, Zenon R. Cut-off fixture. 3,395,497, 8-6-68, Cl. 51—231.

Mosch, Alfred. Pocket utility device including writing instrument. 3,407,021, 10-22-68, Cl. 401—29.

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Moseley, Walter W., Jr., to E. I. du Pont de Nemours and Co. Process and apparatus for the production of uniformly pleated foam sheet material. 3,410,933, 11-12-68, Cl. 264—51.

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Moser, Erwin, and J. Schmitt, to Swiss Aluminium Ltd. Method of brightening bituminous street surfaces and bituminous street surfaces so brightened. 3,417,677, 12-24-68, Cl. 94—22.

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Moser, Kuno, to North American Philips Co., Inc. Massage fixture for electrical driving apparatus. 3,384,079, 5-21-68, Cl. 128—52.

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Moser, Rabin, to National Distillers and Chemical Corp. Method for producing and orienting polypropylene films. 3,380,868, 4-30-68, Cl. 156—229.

Moser, Robert V., to North American Rockwell Corp. Filter control and cleaning. 3,395,901, 8-6-68, Cl. 261—80.

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Moses, Nelson K., and R. A. McClung, to Railroad Permanent Way Products Corp. Reinforced railroad track structure. 3,361,351, 1-2-68, Cl. 238—25.

Moses, Nelson K., and R. A. McClung, to Railroad Rubber Products, Inc. Rail anchor and rail seat construction. 3,387,781, 6-11-68, Cl. 238—283.

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Mosher, Clifford F. Tree harvesting lifting and transporting apparatus. 3,369,673, 2-20-68, Cl. 212—71.

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Moshy, Raymond J., and F. J. Germino, to American Machine & Foundry Co. Tobacco product and process for making same. 3,404,691, 10–8–68, Cl. 131—140.
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Mosier, Benjamin, M. R. McCorkle, P. L. du Brow, and B. E. Marsh, to Armour Industrial Chemical Co. Method of protecting metal surfaces against abrasive wear. 3,414,517, 12–3–68, Cl. 252—33.
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Moss, Jacques L., to Ford Motor Co. Parking brake for use in a driveline. 3,386,532, 6–4–68, Cl. 188—31.
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Moyer, John H., E. W. Stein, E. Fischbach, and W. J. Mozak, to DCA Food Industries, Inc. Packaged comestibles. 3,393,076. 7–16–68. Cl. 99—171.

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Moyer, John R., to The Dow Chemical Co. Peroxy acid bleaching systems. 3,384,596, 5–21–68, Cl. 252—187.

Moyer, Robert C., and C. D. Stricker, to United States Steel Corp. Method of electroplating. 3,396,092, 8–6–68, Cl. 204—29.

Moyer, Robert G., to Union Carbide Corp. Apparatus for cleaning and filling automotive engine cooling systems. 3,409,218, 11–5–68, Cl. 237—12.3.

Moyer, Wayne B., and R. W. Gentile, to General Electric Co. Segmented annular sealing ring and method of its manufacture. 3,412,977, 11–26–68, Cl. 253—39.

Moyer, Wendell W., Jr.: *See*—
Anyos, Tom and Moyer. 3,401,105.

Moyer, Wendell W., Jr., to Borg-Warner Corp. Linear polyglutaraldehyde. 3,395,125, 7–30–68, Cl. 260—67.

Moyer, Wendell W., Jr., and P. J. Kochalka, to Daubert Chemical Co. Insulating article and method. 3,380,582, 4–30–68, Cl. 206—59.

Moyer, Wendell W., Jr., and H. W. Reader, to Lord Corp. Terpolymers of 2,3-dichlorobutadiene-1,3,α-haloacrylonitrile, and ethylenically unsaturated compounds. 3,402,157, 9–17–68, Cl. 260—80.77.

Moylan, George P., Jr. Orthodontic bracket. 3,374,542, 3–26–68, Cl. 32—14.

Moylan, William P., to Foster Grant Co., Inc. Stuffer-crimper impeding apparatus. 3,383,744, 5–21–68, Cl. 28—1.

Moyle, John R. Mink food product containing bile and slaughter house and packing house by-products. 3,408,201, 10–29–68, Cl. 99—7.

Moynihan, Daniel J., to TRW Inc. Sheet metal cages for ball and roller bearings. 3,362,763, 1–9–68, Cl. 308—217.

Moyroud, Louis M. Photographic composition apparatus. 3,416,420, 12–17–68, Cl. 95—4.5.

Mozak, William J. *See*—
Meyer, John H., Stein, Fischbach, and Mozak. 3,393,076.

Mozley, Richard H.: *See*—
Muller, Leslie D., Sayles, and Mozley. 3,391,784.

Mraz, Frank J., to ETC, Inc. Means for locating and retaining ferrule portions of terminals and connectors in crimping dies. 3,402,452, 9–24–68, Cl. 29—203.

Mrowka, Joseph J.: *See*—
Jacobs, Lewis W., and Mrowka. 3,382,416.
Jacobs, Lewis W., Mrowka, and Sabatella. 3,404,315.

Mrowka, Joseph J., to General Electric Co. Electrical circuit control device panel board with novel insulating means. 3,375,411, 3–26–68, Cl. 317—119.

Mrowka, Joseph J., and D. B. Powell, to General Electric Co. Electric circuit control device panel board with position control and assembly. 3,403,299, 9–24–68, Cl. 317—99.

Mrowka, Joseph J., and D. B. Powell, to General Electric Co. Electric circuit control device panel board and assembly. 3,403,301, 9–24–68, Cl. 317—119.

Mroz, Edmund A. J.: *See*—
Baird, James L., and Mroz. 3,409,515.

Mrozek, Pawl, to Radio Corp. of America. Solid state wave amplitude limiting device. 3,408,510, 10–29–68, Cl. 307—237.

Mu Western Electronics Co., Inc.: *See*—
Kaufman, Barry M. 3,387,212.

Mucci, Arthur S. Game. 3,408,932, 11–5–68, Cl. 101—368.

Mucciarone, Rocco H.: *See*—
Budzyna, Joseph M., and Mucciarone. 3,404,709.

Muchlinski, Donald A.: *See*—
Wilmot, Richard D., and Muchlinski. 3,386,091.

Muchowski, Joseph M., to Bristol-Myers Co. Amino isoquinolinium salts. 3,384,640, 5–21–68, Cl. 260—286.

Muckat, Irving E., to Sinclair Research, Inc. Low molecular weight maleic compound copolymers partially esterified with monohydric polyether alcohols. 3,392,155, 7–9–68, Cl. 260—78.5.

Mucke, Johannes, to Siemens Aktiengesellschaft. Electrical machine of the vertical type with a housing of concrete. 3,387,152, 6–4–68, Cl. 310—89.

Muckelrath, Ernest R., 40% to E. R. Muckelrath, 30% to R. F. Mowdy, and 30% to W. S. Raymond. Heater with selectively introducible steam coil. 3,388,691, 6–18–68, Cl. 122—20.

Muckelrath, Ernest R., 40% to E. R. Muckelrath, 30% to R. F. Mowdy, and 30% to W. S. Raymond. Indirect air heater. 3,388,697, 6–18–68, Cl. 126—110.

Muckleroy, Louis K., to U. S. Industries, Inc. Hold-down for well tools. 3,372,756, 3–12–68, Cl. 166—206.

Muckley, Michael. Exhaust filters. 3,376,695, 4–9–68, Cl. 55—310.

Mudd, David L. Article with sealed cover and method of forming same. 3,406,490, 10–22–68, Cl. 52—3.

Mudd, Harry A., to McQuay-Norris Mfg. Co. Thermoresponsive device. 3,418,618, 12–24–68, Cl. 337—387.

Mudie, Ronald, to Servomex Controls Ltd. Electric wave generator with two-state and integrator circuits. 3,405,286, 10–8–68, Cl. 307—261.

Muecke, Ann. Tootsie mops. 3,362,775, 1–9–68, Cl. 401—6.

Muehl, Herman D., to C-B Equipment Inc. Tank closure assembly. 3,365,096, 1–23–68, Cl. 220—57.

Muehl, Hermand. Wrist lock apparatus. 3,400,934, 9–10–68, Cl. 273—189.

Muehl, Joseph A., to Pabst Brewing Co. Filter elements having integral gasket means. 3,382,985, 5–14–68, Cl. 210—495.

Muehle, Manfred: *See*—
Von Wedel, Ernst, and Muehle. 3,368,306.

Muehlenbein, Hans: *See*—
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Muehlhausser, Carl K., to FMC Corp. Purification and stabilization of hydrogen peroxide. 3,410,659, 11–12–68, Cl. 23—207.5.

Muehter, Manfred W.: *See*—
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Mueller, Albert J., to Great Lakes Carbon Corp. Phenolic resin plastic compositions containing carbonaceous filler. 3,391,103, 7–2–68, Cl. 260—38.

Mueller, Alvin E.: *See*—
Mitchell, Ernest H., and Mueller. 3,406,697.

Mueller, Arthur C., to Bell & Howell Co. Motion picture camera. 3,368,863, 2–13–68, Cl. 352—141.

Mueller, Arthur L.: *See*—
Trimble, John O., and Mueller. 3,377,422.

Mueller, Arthur P., and B. Asher, to The Philip Carey Mfg. Molded precision-dimensioned high temperature insulation material. 3,367,871, 2–6–68, Cl. 252—62.

Mueller, Arthur P., and B. Asher, to Phillip Carey Corp. Preformed thermal insulation material and binder for molding same. 3,408,316, 10–29–68, Cl. 260—17.2.

Mueller, Bo: *See*—
Lindholm, Ingemar, Mueller, and Mjorne. 3,414,438.

Mueller Brass Co.: *See*—
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Mueller, Carl H., to McNeil Corp. Injectors. 3,384,018, 5–21–68, Cl. 103—2.

Mueller, Carl H., to McNeil Corp. Measuring pump. 3,398,859, 8–27–68, Cl. 222—41.

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Mueller, Frank H., and Smith. 3,364,554.
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Mueller, Curt: *See*—
Altermatt, Ruedi, Burkhard, and Mueller. 3,395,138.
Altermatt, Ruedi, and Mueller. 3,406,164.
Entschel, Roland, Mueller, and Wehrli. 3,374,221.
Groebke, Wolfgang, and Mueller. 3,398,136.

Mueller, Curt, to Sandoz Ltd. (also known as Sandoz A.G.). Monoazo dyes in which the coupling component is a 1-amino-3-cyano benzene radical. 3,393,191. 7–16–68. Cl. 260—205

Mueller, Curt, to Sandoz Ltd. (also known as Sandoz AG). 2 - cyano - 4-nitro-6-halogeno-2-acylamino-4-dialkylamino-1, 1-azobenzene dyes. 3,398,135, 8–20–68, Cl. 260—205.

Mueller, Curt, to Sandoz Ltd. (also known as Sandoz AG). 2 - methylsulphonyl - 4 - nitro-2′-acylamino-4′-dialkylamino-1,1′-azobenzene dyes. 3,398,137, 8–20–68, Cl. 260—207.

Mueller, Ernest, to Kimco, Inc. Gasoline additive. 3,403,012, 9–24–68, Cl. 44—64.

Mueller, Frank H., and J. J. Smith, to Mueller Co. Apparatus for removing a fire hydrant stem coupling. 3,364,554, 1–23–68, Cl. 29—213.

Mueller, Frank H., and J. J. Smith, to Mueller Co. Wet-barrel fire hydrant. 3,380,471, 4–30–68, Cl. 137—298.

Mueller, Frank H., and J. J. Smith, to Mueller Co. Tamperproof plug and tool for fluid line. 3,382,888, 5–14–68, Cl. 137—327.

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Mueller, Fred: *See*—
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Stuiber, Walter, and Mueller. 3,405,793.

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Mueller, Hans: *See*—
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Mueller, Hans. Wax injection press. 3,368,244, 2–13–68, Cl. 18—30.

Mueller, Hans. Filter device. 3,398,832, 8–27–68, Cl. 210—284.

Mueller, Hans, F. Neumann, and R. Wiechert, to Schering Aktiengesellschaft. Anabolic composition-comprising 1,2-β-methylene-5-α-androstane derivatives. 3,376,197, 4–2–68, Cl. 167—74.

Mueller, Hans-Juergen: *See*—
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Mueller, Helmut C., to Bigelow-Sanford, Inc. Method and apparatus for cutting pile yarns. 3,389,667, 6–25–68, Cl. 112—79.

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Mueller, John W., and A. S. McRae, to The New York Central Railroad Co. Welding transporter. 3,412,691, 11–26–68, Cl. 105—177.

Mueller, Joseph F. Die locking. 3,408,924, 11–5–68, Cl. 100—35.

Mueller, Keith L.: *See*—
Wynosky, Thomas A., and Mueller. 3,402,894.

Mueller, Louis F., Jr.: *See*—
Solomon, Raymond, and Mueller. 3,364,087.

Mueller, Louis F., Jr., to Varian Associates. Automatic tuning of quantum resonance circuits. 3,406,353, 10–15–68, Cl. 331—3.
Mueller, Martin, to Lily-Tulip Cup Corp. Method for capping containers. 3,408,787, 11–5–68, Cl. 53—37.
Mueller, Messrs. Ernest: *See*—
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Mueller, Oscar G. Sliding lid boxes. 3,362,564, 1–9–68, Cl. 220—41.
Mueller, Otto. Differential transmission. 3,393,582, 7–23–68, Cl. 74—711.
Mueller, Otto. Self locking differential transmission. 3,393,583, 7–23–68, Cl. 74—711.
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Mueller, Peter A., to Mueller Seal Co. Rotary mechanical seal. 3,391,939, 7–9–68, Cl. 277—42.
Mueller, Peter F., to Technical Operations, Inc. Storage and readout of multiple interlaced images. 3,408,143, 10–29–68, Cl. 355—40.
Mueller, Rene E., to Illinois Tool Works Inc. Index mechanism. 3,390,595, 7–2–68, Cl. 74—815.
Mueller, Richard S., to Honeywell Inc. Taut band anchor arrangement. 3,387,807, 6–11–68, Cl. 248—17.
Mueller, Robert S., to Eaton Yale & Towne Inc. Anti-skid sensor mechanism. 3,365,244, 1–23–68, Cl. 303—21.
Mueller, Roland: *See*—
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Weber, Kurt, Riegler, Ruettner, and Mueller. 3,361,765.
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Muench, John A., Jr. Key-ejecting ignition switch. 3,392,560, 7–16–68. Cl. 70—388.
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Mufatti, William F.: *See*—
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Muhlbauer, Ernst: *See*—
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Muhlbauer, Ernst, and W. Weiss, to Farbenfabriken Bayer Aktiengesellschaft. Process for the preparation of substituted 1,3-oxathiol-2-ones. 2,396,174, 8–6–68, Cl. 260—327.
Muhlbauer, Herbert G., to Jefferson Chemical Co., Inc. Manufacture of anhydrous ethylenediamine. 3,394,186, 7–23–68. Cl. 260—583.
Muhlbeier, Arthur J., and D. J. Wudtke, to Skagit Corp. Crane with boom-stabilizing hold-down. 3,372,814, 3–12–68, Cl. 212—39.
Muhlenbruch, Gilbert R., and R. Waxman, to International Business Machines Corp. Gated strobing latch for synchronizing data in an asynchronous system. 3,413,557, 11–26–68, Cl. 328—92.
Muhler, Joseph C., to Indiana University Foundation. Prophylactic dental paste compositions comprising zirconium silicate and tin dioxide. 3,378,445, 4–16–68, Cl. 167—93.
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Muhlich, Erik F. Dampener for printing press. 3,411,442, 11–19–68, Cl. 101—148.
Muhlrad, Wolf, to Prat-Daniel S.A. Process and apparatus for cooling granular material in a vertical shaft arrangement. 3,412,473, 11–26–68, Cl. 34—10.
Mui, David Y. H., and N. Szasz, to Northern Electric Co. Ltd. High potential pulse test circuit for capacitors. 3,414,792, 12–3–68, Cl. 320—1.
Muijderman, Everhardus A., to North American Philips Co., Inc. Axial bearing. 3,376,083, 4–2–68, Cl. 308—9.
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Muir, David, III, to Bell Telephone Laboratories, Inc. Shift and rotate circuit for a data processor. 3,374,463, 3–19–68, Cl. 340—172.5.
Muir, David, III, to Bell Telephone Laboratories, Inc. Shift and rotate circuit for a data processor. 3,374,468, 3–19–68, Cl. 340—172.5.
Muir, Douglas F., Jr. Vacuum holder. 3,406,938, 10–22–68, Cl. 248—363.
Muir, Douglas F., Jr. Vacuum holding device. 3,408,031, 10–29–68, Cl. 248—363.
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Jennings, James W., and Muirhead. 3,373,813.
Muirhead, Leslie A., E. L. Hill, and B. W. Forster, to Shell Oil Co. Production of expandable polymer particles. 3,372,215, 3–5–68, Cl. 264—53.
Muirheid, Ralph E. Cigarette case with detachable ash tray. 3,388,706, 6–18–68, Cl. 131—238.
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Mukai, Roy A., A. P. Charbonneau, J. F. Waldorf, and R. Pearson, to Cutler-Hammer, Inc. Pushbutton electric switch operator with maintaining mechanism. 3,402,620, 9–24–68, Cl. 74—483.
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Mukojima, Michi. Flexible optical system for transmitting light or optical images. 3,414,344, 12–3–68, Cl. 350—35.
Mulaskey, Bernard F., to Chevron Research Co. Hydrocracking process employing a promoted catalyst. 3,390,074, 6–25–68, Cl. 208—111.
Mulaskey, Bernard F., to Chevron Research Co. Hydrocracking of hydrocarbons with a catalyst composite comprising nickel and tin associated with a porous acidic inorganic oxide carrier. 3,399,132, 8–27–68, Cl. 208—111.
Mulch, Hans, to Ernst Leitz, G.m.b.H. Magazine slide projector. 3,377,917, 4–16–68, Cl. 88—28.
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Mulderink, Johannes J. M.: *See*—
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Mulinos, Michael G., to Commercial Solvents Corp. Triamine acid addition salts in antifungal methods and compositions. 3,375,164, 3–26–68, Cl. 167—58.
Mull, Homer S., to Anchor Hocking Glass Corp. Liquid applicator. 3,366,091, 1–30–68, Cl. 118—259.
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Mull, Robert P., to Ciba Corp. Aralkenyl-aminoguanidines and the salts thereof. 3,390,177, 6–25–68, Cl. 260—564.
Mull, Robert P., to Ciba Corp. N-allyl-guanidines and salts thereof. 3,391,189, 7–2–68. Cl. 260—564.

Mull, Robert P., to Ciba Corp. Aralkenyloxyguanidines. 3,413,303, 11-26-68, Cl. 260—309.6.

Mull, Robert P., to Ciba Corp. N-aralkenyl-lower alkanoic acid amidines. 3,413,345, 11-26-68, Cl. 260—564.

Mull, Robert P., and R. H. Mizzoni, to Ciba Corp. 1-mercapto-4-diphenylmethyl piperidine compounds. 3,366,636, 1-30-68, Cl. 260—293.4.

Mull, Robert P., and R. H. Mizzoni, to Ciba Corp. N-[(guanylmercapto)alkyl]-C-diarylmethylpiperidines. 3,366,637, 1-30-68, Cl. 260—293.4.

Mullan, Joseph. Collapsible container. 3,390,821, 7-2-68, Cl. 222—212.

Mullan, Joseph. Photo print data designating device. 3,409,359, 11-5-68, Cl. 355—40.

Mullan, Joseph A. Cam control sprinkler. 3,405,871, 10-15-68, Cl. 239—236.

Mullan, Philip J., and S. Platter, to International Business Machines Corp. Controlled air film bearing. 3,398,870, 8-27-68, Cl. 226—97.

Mullaney, John H., to Multronics, Inc. Electrically short tower antenna with controlled base impedance. 3,386,098, 5-28-68, Cl. 343—752.

Mullaney, John J., III, to Grinnell Corp. Lubricated plug valve with adjustable uniform sealing pressure gland. 3,371,676, 3-5-68, Cl. 137—246.19.

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Mullarkey, Alfred J., to International Standard Electric Corp. Plural parameters monitor displaying information signals as a bar graph on a cathode-ray tube. 3,375,509, 3-26-68, Cl. 340—213.

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Mullen, Joseph F.: *See*—
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Mullen, Joseph F., to Combustion Engineering, Inc. System for pneumatically transporting high-moisture fuels such as bagasse and bark and an included furnace for drying and burning those fuels in suspension under high turbulence. 3,387,574, 6-11-68, Cl. 110—7.

Mullen, Roy E., to Rochester Razor, Inc. Disposable plastic safety razor. 3,413,720, 12-3-68, Cl. 30—62.

Mullen, Thomas R.: *See*—
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Mullenger, Keith E. Antistatic carpet and method of fabrication. 3,371,247, 2-27-68, Cl. 317—2.

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Muller, Albert R., to The Goodyear Tire & Rubber Co. Titanium tetraiodide suspensions. 3,361,681, 1-2-68, Cl. 252—429.

Muller, Alfred. Dual side split rear view reflecting system. 3,394,978, 7-30-68, Cl. 350—294.

Muller, Alfred, and M. Wilhelm, to Siemens Aktiengesellschaft. Apparatus for producing striationless bodies of metal and semiconductor substances containing impurities. 3,410,665, 11-12-68, Cl. 23—273.

Muller, Alfred H., to Daimler-Benz Aktiengesellschaft. Method of machining metal parts. 3,402,586, 9-24-68, Cl. 72—225.

Muller, Alfred H., and H. Hohn, to Daimler-Benz Aktiengesellschaft. Disengageable coupling intended for a multi-wheel steering system in motor vehicles especially cross-country vehicles, 3,392,987, 7-16-68, Cl. 280—91.

Müller, Alfred H., and H. Höhn, to Daimler-Benz Aktiengesellschaft. Multi-wheel steering system for motor vehicles. 3,414,286, 12-3-68, Cl. 280—91.

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Muller, Anton, H. Konig, and A. Kraus, to Eisen-und Drahtwerk Erlau A.G. Tire chain for vehicle tires. 3,382,906, 5-14-68, Cl. 152—243.

Muller, Arno G. Cleated pneumatic tire. 3,400,744, 9-10-68, Cl. 152—208.

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Muller, Donald C., to C. F. Butz Engineering. Pressureless accumulation conveyor. 3,416,642, 12-17-68, Cl. 198—34.

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Muller, Erwin, K. Dinges, E. Huther, and H. Scheurlen, to Farbenfabriken Bayer Aktiengesellschaft. Thermoplastically processable polymers. 3,409,595, 11-5-68, Cl. 260—77.5.

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Muller, Franz, to Klockner-Humboldt-Deutz Aktiengesellschaft. Installation and method for firing materials such as limestone, 3,392,969, 7-16-68, Cl. 263—29.

Muller, Franz, to Aktiengesellschaft Klockner-Humboldt-Deutz. Grinding mill plant. 3,397,845, 8-20-68, Cl. 241—43.

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Muller, Georges, and A. Polttevin, to Roussel-UCLAF. 7-oxo-7-desacetylamino-colchicine compounds. 3,393,240, 7-16-68, Cl. 260—571.

Muller, Georges, A. Blade, and R. Bardoneschi, to Roussel-UCLAF. Process for production of demonomethylated colchicinic derivatives. 3,410,899, 11-12-68, Cl. 260—562.

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Muller, Gernot, to Joh. Kleinewefers Sohne Maschinenfabrik. Calender, especially for paper satinizing. 3,364,848, 1-23-68, Cl. 100—47.

Muller, Gernot, to Joh. Kleinewefers Sohne. Adjusting device for fast venting and roller fine adjustment, especially for paper satining calenders. 3,369,483, 2-20-68, Cl. 100—47.

Muller, Hans. Method of drying filter residue. 3,360,869, 1-2-68, Cl. 34—19.

Müller, Hans. Process for the filtration of artificial silk and synthetic foil spinning materials by means of filter surfaces to which an alluvial medium is applied. 3,362,533, 1-9-68, Cl. 210—75.

Müller, Hans. Filter. 3,389,855, 6-25-68, Cl. 233—2.

Müller, Hans, to Process Engineering Co., Inc. Separation of substances, 3,392,828, 7-16-68, Cl. 209—13.

Muller, Hans. Filtration process. 3,395,801, 8-6-68, Cl. 210—68.

Muller, Hans, to Grapha Maschinenfabrik Hans Muller A.G. Sheet feeding and collating apparatus. 3,414,257, 12-3-68, Cl. 270—58.

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Muller, Jacques, to Inter Rellumit, S.a.r.L. Fluid filter with automatic cleaning device. 3,380,591, 4-30-68, Cl. 210—143.

Muller, Jacques. Apparatus for automatically cleaning windshields. 3,407,426, 10-29-68, Cl. 15—250.04.

Muller, Jakob. Draw hook control arrangement. 3,384,129, 5-21-68, Cl. 139—138.

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Muller, Johann, to Friedrich Deckel Prazisions Mechanik und Maschinenbau. Work table mounting for machine tools. 3,376,788, 4-9-68, Cl. 90—58.

Muller, Johann, to Friedrich Deckel Prazisions Mechanik und Maschinenbau. Handwheel for machine tools and the like. 3,397,592, 8-20-68, Cl. 74—548.

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Muller, John G., to Struthers Scientific and International Corp. Freeze dried coffee process and product. 3,404,007, 10-1-68, Cl. 99—71.

Muller, John G., and N. Ganiaris, to Struthers Scientific and International Corp. Process for maintaining a perforated basket centrifuge free of basket plugging. 3,416,663, 12-17-68, Cl. 210—78.

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Muller, Karl, to Maag Gear Wheel & Machine Co., Ltd. Gear-checking instruments. 3,371,422, 3-5-68, Cl. 33—179.5.

Muller, Karl R., J. A. Rabo, and P. H. Kasai, to Union Carbide Corp. Crystalline zeolite containing singly charged nickel cations. 3,418,257, 12-24-68. Cl. 252—455.

Muller, Kurt, to Oerlikon-Buhrle Holding Ltd. Percussion fuze for shells. 3,406,630, 10-22-68, Cl. 102—73.

Muller, Leslie D., C. P. Sayles, and R. H. Mozley, to National Research Development Corp. Apparatus for the separation of granular materials. 3,391,784. 7-9-68, Cl. 209—427.

Muller, Ludwig. Vibrating devices. 3,396,805, 8-13-68, Cl. 173—49.

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Muller, Paul C., to Patelhold Patentverwertungs- & Electro-Holding A.G. Microwave treating device. 3,402,277, 9-17-68. Cl. 219—10.55.

Müller, Peter, to International Standard Electric Corp. Distinguishing matrix that is capable of learning, for analog signals. 3,414,885, 12-3-68. Cl. 340—172.5.

Muller, Richard, and C. Dathe, to Institut fur Silikon- und Fluorkarbon-Chemie. Process for alkylating, alkenylating, arylating and reducing metal salts. 3,401,186, 9-10-68. Cl. 260—430.

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Mullers, Karl A., to Franz Muller, Maschinenfabrik. Method of raising textile fabrics. 3,373,468, 3-19-68, Cl. 26—29.

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Mullery, Alvin P., R. H. Riekert, and R. F. Schauer, to International Business Machines Corp. Computing system embodying flexible subroutine capabilities. 3,366,929, 1-30-68, Cl. 340—172.5.

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Mumford, George V., to Owens-Illinois, Inc. Barrier for closures. 3,411,651, 11–19–68, Cl. 215—40.
Mummert, Phillip L., to School Mfg. Co., Inc. Antiperspirant composition providing a readily collapsible sprayable foam. 3,395,214, 7–30–68, Cl. 424—47.
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Munch, Wilhelm, E. Von Hayn, and E. Muller, to Pintsch Bamag Aktiengesellschaft. Construction of rail frogs and methods of manufacture. 3,395,276, 7–30–68, Cl. 246—468.
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Munson, Donald J., to The J. R. Clark Co. Iron rest. 3,367,611, 2–6–68, Cl. 248—117.1.
Munson, Howell B., Jr.: *See*—
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Munson, John C., to United States of America, Navy. Real time digital multiplier correlator using logarithmic quantization and multiplication. 3,371,197, 2–27–68, Cl. 235—181.
Munson, John C., and J. A. Faulkner, to United States of America, Navy. Long digital delay. 3,387,284, 6–4–68, Cl. 340—173.
Munson, Joseph J. Cane gathering system for sugar cane harvesters. 3,415,044, 12–10–68, Cl. 56—119.
Munson, Robert D., and P. M. Gundlach, to Emerson Electric Co. Controlled rectifier DC motor speed control circuit. 3,414,791, 12–3–68, Cl. 318—331.
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Earle, Harold W., and Munson. 3,371,165.
Munson, Whitney K. Inking pad and method of producing the same. 3,386,413, 6–4–68, Cl. 118—269.
Munson, Whitney K. Inking pad for stamp pads. 3,416,490, 12–17–68, Cl. 118—269.
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Treude, Gunter, and Munster. 3,363,237.
Munters, Carl G. Method for the manufacture of gas conditioning packing. 3,377,225, 4–9–68, Cl. 156—210.
Munters, Carl G. Liquid and gas contact body. 3,415,502, 12–10–68, Cl. 261—112.
Munters, Carl G., and H. H. R. Niemann. Regenerative moisture exchanger for gaseous media. 3,368,327, 2–13–68, Cl. 55—179.
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Murakami, Kelichi, M. Hanada, and H. Miyairi, to Yawata Chemical Industry Co., Ltd. Process for the continuous production of gypsum and iron oxide from waste sulfuric acid pickle liquor and a calcium compound. 3,375,066, 3–26–68, Cl. 23—122.
Murakami, Kenkichi, O. Ishikawa, S. Shimizu, S. Imano, and H. Morimoto, to Sekisui Kagaku Kogyo Kabushiki. Apparatus for molding reinforced plastics. 3,408,693, 11–5–68, Cl. 18—5.
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Murakami, Ryuichi, and H. Kaneko, to Nippon Electric Co., Ltd. Encoder means having temperature-compensation apparatus included therein. 3,419,819, 12–31–68, Cl. 332—9.
Murakami, Shinichi, to Nippon Gakki Seizo Kabushiki Kaisha. Electric switch provided with a stationary electroconductive rubber contact. 3,363,076, 1–9–68, Cl. 200—166.

Murakami, Shinichi, to Nippon Gakki Seizo Kabushiki Kaisha. Contact device for electric switches. 3,369,097, 2–13–68, Cl. 200—166.
Murakami, Tadao, to Hitachi, Ltd. Speed reduction apparatus for automotive vehicles. 3,416,016, 12–10–68, Cl. 310—93.
Murakami, Yasuo: *See*—
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Murakami, Yukitugu, N. Sano, and E. Yamanaka. Socket unit. 3,402,384, 9–17–68, Cl. 339—128.
Murakami, Zenzi, to Osaka Kiko Kabushiki Kaisha. Spiral upstanding projecting blade on cutter roller for continuous chemical fiber cutting apparatus. 3,410,165, 11–12–68, Cl. 83—342.
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Kubo, Koichiro, and Murata. 3,408,715.
Murati, Efrahim. Caisson construction. 3,365,894, 1–30–68, Cl. 61—53.6.
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Murayama, Koichi, S. Toshima, and T. Fukushima, to Asahi Kasei Kogyo Kabushiki Kaisha. Mercury-method cell for alkali chloride electrolysis. 3,409,533, 11–5–68, Cl. 204—219.
Murayama, Seiichi, to Hitachi, Ltd. Low power high frequency discharge plasma generator. 3,417,287, 12–17–68, Cl. 315—111.
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Murchison, Jerre M., and B. Falk, to General Dynamics Corp. Target tracking radar system providing direct and automatic indication of target size. 3,400,394, 9–3–68, Cl. 343—7.
Murchison, Morris D. Safety locking device. 3,390,404, 6–25–68, Cl. 339—38.
Murcott, Charles E. Hamper supported laundry bag. 3,379,367, 4–23–68, Cl. 232—43.2.
Murdoch, Colin A. Means for use in the administering of drugs, medicines and the like to animals. 3,381,403, 5–7–68, Cl. 42—1.
Murdoch, Colin D., and C. W. Pennebaker, 20% to C. W. Pennebaker, and 80% to C. D. Murdoch. Automatic magnetic recording and playback for a keyboard actuated business machine. 3,413,624, 11–26–68, Cl. 340—174.1.
Murdoch, Frank N. Swim fin. 3,411,165, 11–19–68, Cl. 9—309.
Murdoch, Ian L., to Bowater-Scott Corp. Ltd. Babies' pants 3,417,751, 12–24–68, Cl. 128—287.
Murdoch, John P. Water-powered make-up and bleed-off system. 3,411,449, 11–19–68, Cl. 103—60.
Murdoch, Malcolm. Vibration testing method for producing a matched set of golf clubs. 2,395,571, 8–6–68, Cl. 73—67.2.
Murdock, Forrest L.: *See*—
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Murdock, Forrest L. Up flow electric emulsion treater for crude oil. 3,369,347, 2–20–68, Cl. 55—175.
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Murdock, James P., and T. L. Larson, to Allis-Chalmers Mfg. Co. Method of producing a nickel-silver-phosphorus alloy fuel cell electrode catalyst. 3,364,075, 1–16–68, Cl. 136—120.
Murdock, James P., and J. E. Schroeder, to Allis-Chalmers Mfg. Co. Method of forming ohmic contacts in semiconductor devices. 3,396,454, 8–13–68, Cl. 29—494.
Murdock, Robert G., to Allegheny Ludlum Steel Corp. Hot water tank. 3,366,263, 1–30–68, Cl. 220—5.
Murek, Josef K. High energy rate forming machine. 3,404,555, 10–8–68, Cl. 72—445.
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Murir, Richard D.: *See*—
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Murphree, Francis J., to United States of America, Navy. Data processing system. 3,363,226, 1–9–68, Cl. 340—3.
Murphree, Francis J., to United States of America, Navy. Memory device. 3,388,268, 6–11–68, Cl. 307—238.
Murphey, Carey E., Jr., M. M. Patterson, and B. C. Sheffield, to Shell Oil Co. Method for locating tension failures in oil well casings. 3,393,732, 7–23–68, Cl. 166—4.
Murphy, Alfred M., and C. M. Filak, to Reynolds Metals Co. Billet piercing and extrusion. 3,404,552, 10–8–68, Cl. 72—266.
Murphy, Alfred M., L. E. Howell, and W. F. Mutter, to Reynolds Metals Co. Extruding metal members of varying wall thickness. 3,362,208, 1–9–68, Cl. 72—260.
Murphy, Alfred M., and N. A. Wagner, to Reynolds Metals Co. Metal extrusion apparatus. 3,369,385, 2–20–68, Cl. 72—272.
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Murphy, Bernard T., to Bell Telephone Laboratories, Inc. Logic switching circuit. 3,394,268, 7–23–68, Cl. 307—215.
Murphy, Bernard T., to Bell Telephone Laboratories, Inc. High noise margin logic circuit feedback register. 3,413,495, 11–26–68, Cl. 307—272.
Murphy, Beverley E. P., to Canadian Patents and Development Ltd. Determination of thyroxine. 3,414,383, 12–3–68, Cl. 23—230.
Murphy, Charles A., to V. B. West. Pneumatic concentrator. 3,385,436, 5–28–68, Cl. 209—135.
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Mitchell, Reid L., Murphy, and Allen. 3,364,062.
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Pianka, Max, and Edwards. 3,412,133.
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Murphy, Cornelius B., to General Electric Co. Thermoparticulate analysis of nitrogenous materials. 3,410,662, 11–12–68, Cl. 23—230.
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McEven, Albert H., Whiteborn, Dye, and Murphy. 3,376,507.
Murphy, Eugene S., to Borg-Warner Corp. Modulating valve. 3,369,559, 2–20–68, Cl. 137—115.
Murphy, Eugene S., to Borg-Warner Corp. Modulated fluid clutch in series with fluid coupling. 3,384,209, 5–21–68, Cl. 192—3.33.
Murphy, Francis A., to The Tyler Co. Structural paneling. 3,396,497, 8–13–68, Cl. 52—80.
Murphy, Frank E., Jr., to Corning Glass Works. Electrical circuit for determining the resistance and temperature of a resistive element. 3,417,330, 12–17–68, Cl. 324—62.
Murphy, Frank W., Mfg., Inc.: *See*—
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Murphy, Franklin J., Jr.: *See*—
Davidson, John D., and Murphy. 3,371,266.
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Murphy, George T., deceased, by I. M. Murphy, executrix. Grain car door closure. 3,390,715, 7–2–68, Cl. 160—368.
Murphy, G. W., Industries, Inc.: *See*—
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Dudek, Edmond C. 3,417,511.

Murphy, Herbert S. Vegetable-slicing apparatus. 3,376,909, 4-9-68, Cl. 146—169.

Murphy, Howard E.: *See*—
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Murphy, Hubert W., V. C. Stephens, and J. W. Conine, to Eli Lilly and Co. Erythromycin derivative and process for the preparation thereof. 3,417,077, 12-17-68, Cl. 260—210.

Murphy, Hugh W., to FMC Corp. Article orienting apparatus. 3,415,350, 12-10-68, Cl. 198—33.

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Murphy, John B., to Polaroid Corp. Photographic apparatus. 3,416,427, 12-17-68, Cl. 95—89.

Murphy, John H. Ultrasonic inspection apparatus. 3,380,293, 4-30-68, Cl. 73—67.7.

Murphy, John J.: *See*—
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Murphy, John P., to E. I. du Pont de Nemours and Co. Apparatus for forming nonwoven webs. 3,364,538, 1-23-68, Cl. 28—1.

Murphy, John V.: *See*—
Bartik, William J., Chow, Schwarz, and Murphy. 3,399,309.
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Murphy, Joseph P. Folding and packaging of hose or the like. 3,381,705, 5-7-68, Cl. 137—355.28.

Murphy, Kevin P.: *See*—
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Murphy, Lawrence W.: *See*—
Hatch, Richard W., Jr., and Murphy. 3,417,773.

Murphy, Norman A.: *See*—
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Murphy, Norman A., D. G. Lightfoot, and P. S. Irlam, to Pilkington Brothers Ltd. Manufacture of cellular material on a molten metal bath. 3,361,550, 1-2-68, Cl. 65—22.

Murphy, Norman B., to The Bendix Corp. Automatic throttle control mechanism. 3,363,480, 1-16-68, Cl. 74—626.

Murphy, Peter C.: *See*—
Holt, Edman F., and Murphy. 3,401,024.

Murphy, Raymond J. Playground and gymnastic equipment for tumbling exercises. 3,372,926, 3-12-68, Cl. 272—60.

Murphy, Raymond S., to Intex Oil Co. File folder punch. 3,408,889, 11-5-68, Cl. 83—599.

Murphy, Richard M., and H. C. Messman. Production of alkali metal hydroxides. 3,361,529, 1-2-68, Cl. 23—184.

Murphy, Richard M., and H. C. Messman, to The Carbon Co. Process for desulfurizing carbonaceous materials. 3,387,941, 6-11-68, Cl. 23—209.9.

Murphy, Richard M., H. C. Messman, and J. F. Massey, Jr., to The Carbon Co. Desalting of carbonaceous material. 3,393,978, 7-23-68, Cl. 23—209.9.

Murphy, Robert, to L. S. Heath & Sons, Inc. Crunch making machine. 3,369,503, 2-20-68, Cl. 107—4.

Murphy, Robert A., to General Electric Co. Organopolysiloxane foam-forming materials. 3,379,659, 4-23-68, Cl. 260—2.5.

Murphy, Thomas L.: *See*—
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Murphy, Timothy. Tile building panel with plastic foam backing. 3,362,119, 1-9-68, Cl. 52—309.

Murphy, Timothy. Corner structure for lining walls and other surfaces. 3,397,498, 8-20-68, Cl. 52—385.

Murphy, William D., to Sylvania Electric Products Inc. Synchronous demodulator with stabilized amplifers and blanking. 3,376,380, 4-2-68, Cl. 178—5.4.

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Murphy, William W., to The Torrington Co. Retainer with seals for thrust bearings. 3,414,341, 12-3-68, Cl. 308—235.

Murr, Theodore C. Handled container with sliding cover. 3,414,159, 12-3-68, Cl. 220—41.

Murr, William C., to Berkeley Tonometer Co. Suspension for tonometer probe. 3,390,572, 7-2-68, Cl. 73—80.

Murr, William C., to Berkeley Tonometer Co. Apparatus and method for tonography. 3,406,565, 10-22-68, Cl. 73—80.

Murray, Alfred E., to W. S. Lovely. Cooling towers. 3,395,515, 8-6-68, Cl. 55—257.

Murray, Archie L. Golf swing practice device. 3,366,389, 1-30-68, Cl. 273—198.

Murray, Clayton B., to Mesabi Cores, Inc. Radiator construction. 3,391,732, 7-9-68, Cl. 165—76.

Murray Co. of Texas, Inc.: *See*—
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Murray, Coyt E., to Impact Plastics, Inc. Method of making lug straps. 3,384,695, 5-21-68, Cl. 264—294.

Murray, Daniel G., N. G. Marotta, and R. M. Boettger, to National Starch and Chemical Corp. Manufacture of farinaceous-based, amylose-containing food products by means of an extrusion type process. 3,407,070, 10-22-68, Cl. 99—83.

Murray, David, to General Electric Co. Logic circuitry for extending signals generated by the reading of punched holes in a card. 3,411,095, 11-12-68, Cl. 328—92.

Murray, Donald A., and W. C. Sexton, to International Harvester Co. Bale weight indicator. 3,363,707, 1-16-68, Cl. 177—136.

Murray, Ernest E. Fruit picking apparatus. 3,407,580, 10-29-68, Cl. 56—328.

Murray, Ernest E., to Zech-Murray Corp. Apparatus for finishing workpieces under controlled pressures. 3,415,017, 12-10-68, Cl. 51—135.

Murray, Francis A.: *See*—
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Murray, Francis L., Jr., and T. V. Sikina, to Philco-Ford Corp. Thin-film RC circuits on single substrate. 3,386,011, 5-28-68, Cl. 317—101.

Murray, Francis T. Football including ball-to-kicking leg orientation means. 3,370,851, 2-27-68, Cl. 273—65.

Murray, Harley W. Extendable trailer. 3,406,980, 10-22-68, Cl. 280—34.

Murray, Herbert C.: *See*—
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Krsek, George, Lowe, and Murray. 3,372,190.

Murray, John K., to Marconi Instruments Ltd. Dual purpose oscilloscope and like probes having selectively connectible resistances. 3,412,327, 11-19-68, Cl. 324—72.5.

Murray, John M. Centrifugal fan separator unit. 3,408,796, 11-5-68, Cl. 55—403.

Murray, John P., Jr., to Atlantic Products Corp. Golf bag bottom having venting openings. 3,371,898, 3-5-68, Cl. 248—96.

Murray, Lawrence K., to Phillips Petroleum Co. Apparatus for quenching hot reactor gases. 3,380,719, 4-30-68, Cl. 261—115.

Murray, Lawrence K., to Phillips Petroleum Co. Apparatus for the production of carbon black. 3,409,406, 11-5-68, Cl. 23—259.5.

Murray, Leslie D., and D. Q. McMasters. Method and apparatus for patching articles. 3,388,016, 6-11-68, Cl. 156—94.

Murray, Lowell C., and I. A. Welty, to Container Corp. of America. Multiple article wrapper and method of forming same. 3,390,764, 7-2-68, Cl. 206—65.

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Norden, Alexander R., and Kobryner. 3,369,099.

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Murray, Maurice W., to General Electric Corp. Transistor electronic switch with base control stage. 3,371,228, 2-27-68, Cl. 307—254.

Murray, Maynard, to Creative Chemistry, Inc. Liquid food product and process for preparing same. 3,419,398, 12-31-68, Cl. 99—28.

Murray, Myles N., to Industrial Electronic Rubber Co. Method for making capacitor end cap. 3,374,538, 3-26-68, Cl. 29—627.

Murray, Myles N., to Industrial Electronic Rubber Co. Method of making an oral cleanser. 3,405,437, 10-15-68, Cl. 29—450.

Murray, Robert, Jr.: *See*—
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Rice, Leslie R., and Murray. 3,381,213.

Murray, Robert L., to Dover Corp. Line pressure responsive safety coupling. 3,383,123, 5-14-68, Cl. 285—83.

Murray, Robert S., and R. Andrews, to B. F. Drakenfeld & Co., Inc. Matte surface vitreous enamels and articles made therefrom. 3,380,846, 4-30-68, Cl. 117—70.

Murray, Robert T., to United-Carr Inc. Assembly license lamp and plate holder. 3,393,891, 7-23-68, Cl. 248—291.

Murray, Robert W., to American National Valve Corp. Fluid dispensing device. 3,370,623, 2-27-68, Cl. 141—206.

Murray, Stephen F., and G. A. Hamilton, to P. R. Mallory & Co., Inc. Intermittent drive mechanism and a timer utilizing same. 3,417,631, 12-24-68, Cl. 74—125.

Murray, Thomas C., and R. R. Roberts, to Xerox Corp. Microfiche reproduction machine. 3,372,627, 3-12-68, Cl. 95—1.7.

Murray, Wakefield M., to Overly Mfg. Co. Metal roof. 3,375,622, 4-2-68, Cl. 52—90.

Murray, William: *See*—
Wunderlich, Donald K., and Murray. 3,407,134.

Murray, William, and G. R. Walker, to Filton Ltd. Rotary unions. 3,361,451, 1-2-68, Cl. 285—276.

Murray, William B., and J. W. Christensen. Sanitizing system. 3,361,663, 1-2-68, Cl. 204—278.

Murray, William K.: *See*—
Howell, Thomas D., and Murray. 3,365,010.

Murray, William O.: *See*—
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Murray, William R. and W. O. Automatic electronic microwave cooking and vending machine. 3,386,550, 6-4-68, Cl. 194—10.

Murray, William Y.: *See*—
Gosling, Cyril H., Glick, Powell, and Murray. 3,363,049.

Murtaugh, James L.: *See*—
Bradley, Richard E., Sankin, Barnes, Beauregard, Murtaugh, Rosenblatt, and Thompson. 3,406,380.

Murthy, Nanjundiah N.: *See*—
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Murthy, Yelahanka K. S., and D. Kluepfel, to Lepetit S.p.A. 5-nitro-2′-deoxyuridine. 3,366,626, 1–30–68, Cl. 260—211.5.

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Jackson, Harold S., Murtland, and Rebhun. 3,372,224.

Murtland, James B., Jr., H. S. Jackson, and C. F. Rebhun, to Allegheny Ludlum Steel Corp. Electrode regulating systems for arc melting furnaces. 3,381,079, 4–30–68, Cl. 13—13.

Murton, Crawford B. Stopper rod with temperature responsive cooling means. 3,373,910, 3–19–68, Cl. 222—559.

Murtz, Hans-Joseph, to Brown, Boveri & Cie Aktiengesellschaft. High-power workpieces-forming method. 3,367,158, 2–6–68, Cl. 72—56.

Murzyn, Walter S. Baseball game apparatus. 3,372,933, 3–12–68, Cl. 273—88.

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Musgrave, Joseph S., R. J. Rue, and J. A. Nicholson, to The Boeing Co. Horizontal display navigational devices. 3,400,364, 9–3–68, Cl. 340—24.

Musgrave, Orly, to Mast-Foos Mfg. Co., Inc. Differential unit. 3,365,984, 1–30–68, Cl. 74—713.

Musgrave, Ray D., to Western Printing Machinery Co. Rotary press printing cylinder for clamping flexible plates. 3,380,381, 4–30–68, Cl. 101—415.1.

Musgrave, William K. R., to Imperial Smelting Corp. (N.S.C.) Ltd. Method of preparing pentafluorophenyl magnesium chloride. 3,412,162, 11–19–68, Cl. 260—665.

Musgrove, Ray S. Tire chain applying tool. 3,408,884, 11–5–68, Cl. 81—15.8.

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Musk, Henry A.: *See*—
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Muskat, Irving E., to Sinclair Research, Inc. Polymerization process. 3,418,292, 12–24–68, Cl. 260—78.5.

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Musolf, Martin C., and E. P. Plueddemann, to Dow Corning Corp. Polymercaptoorgano and polyhydroxyorgano silanes and siloxanes. 3,388,144, 6–11–68, Cl. 260—448.8.

Musschoot, Albert, and M. G. Thomson, to General Kinematics Corp. Method and apparatus for agglomerating an inclined surfaces including vibrating the material at a greater angle than the inclination of the surface. 3,365,281, 1–23–68, Cl. 23—313.

Musschoot, Albert, and M. G. Thomson, to General Kinematics Corp. Material handling apparatus. 3,411,171, 11–19–68, Cl. 15—94.

Mussell, Dorsey R.: *See*—
Leasure, John K., and Mussell. 3,390,976.
Leasure, John K., and Mussell. 3,390,977.
Leasure, John K., and Mussell. 3,390,978.

Mussell, Dorsey R., to The Dow Chemical Co. Composition and method for suppressing plant growth. 3,373,011, 3–12–68, Cl. 71—126.

Mussell, Dorsey R., and T. W. Holmsen, to The Dow Chemical Co. Method for controlling slime in an aqueous system with a silver fluorometalate. 3,382,171, 5–7–68, Cl. 210—62.

Mussell, Dorsey R., and T. W. Holmsen, to The Dow Chemical Co. Method and composition for inhibiting plant growth. 3,384,472, 5–21–68, Cl. 71—104.

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Musser, Clair O. Electrical musical instrument with conductive tune sheet. 3,376,778, 4–9–68, Cl. 84—483.

Musser, Clair O. Toy planetarium. 3,387,393, 6–11–68, Cl. 35—45.

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Mussulman, Charles E. Gray scale and tracking alignment instrument for a color cathode ray tube. 3,401,331, 9–10–68, Cl. 324—20.

Mustacchi, Henry, and H. T. Foley, to GAF (Great Britain) Ltd. Light sensitive diazonium compounds and diazotype materials. 3,407,066, 10–22–68, Cl. 96—91.

Mustain, William G., to General Electric Co. Voltage converter and converter switching arrangement. 3,382,426, 5–7–68, Cl. 321—21.

Mustakallio, Heikki J. J. Stacking device for sheets, particularly veneer sheets. 3,388,814, 6–18–68, Cl. 214—6.

Mustakas, Gus C., and L. D. Kirk, to United States of America, Agriculture. Process for detoxifying and debittering the seeds of *Crambe abyssinica*. 3,391,000, 7–2–68, Cl. 99—2.

Mustakas, Gus C., and L. D. Kirk, to United States of America, Agriculture. Ammoniation process for detoxifying the seeds of *Crambe abyssinica* and rape. 3,392,026, 7–9–68, Cl. 99—2.

Mustee, Bernard E., to E. L. Mustee & Sons, Inc. Laundry tub installation. 3,364,503, 1–23–68, Cl. 4—170.

Mustee, Bernard E., to E. L. Mustee & Sons, Inc. Utility tubs. 3,384,230, 5–21–68, Cl. 206—65.

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Mustian, William R., Jr., to Armour Agricultural Chemical Co. Method and apparatus for concentrating phosphoric acids containing impurities. 3,403,974, 10–1–68, Cl. 23—165.

Mustian, William R., Jr., to Armour Agricultural Chemical Co. Submerged combustion apparatus for the concentration of phosphoric acids. 3,407,862, 10–29–68, Cl. 159—16.

Musy, Charles L., to Le Bouchage Mecanique. Method and apparatus for forming a breakable C connection between two portions of a closure cap. 3,416,474, 12–17–68, Cl. 113—1.

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Mutchler, Paul A., to American Air Filter Co., Inc. Combustion chamber. 3,364,968, 1–23–68, Cl. 158—4.

Mutchler, Paul A., to American Air Filter Co., Inc. Combustion apparatus. 3,368,604, 2–13–68, Cl. 158—4.

Mutchler, Paul A., to American Air Filter Co., Inc. Refuse incinerator. 3,376,833, 4–9–68, Cl. 110—14.

Mutchler, Paul A., to American Air Filter Co., Inc. Liquid fired cooking apparatus. 3,403,670, 10–1–68, Cl. 126—44.

Mutchler, Paul A., to American Air Filter Co., Inc. Liquid-fired cooking apparatus. 3,408,999, 11–5–68, Cl. 126—44.

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Mutchnik, Henry and M. Slide assemblies for extension tables. 3,419,317, 12–31–68, Cl. 308—3.6.

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Myatt, Edward R., and E. F. Loveland, to International Standard Electric Corp. Ceramic reed relay having flux carrying means associated with the armature. 3,388,355, 6–11–68, Cl. 335—151.

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Myer, Robert E., to United States of America, Army. Simplified radar range unit. 3,366,953, 1–30–68, Cl. 343—7.3.

Myer, Robert E., to Bell Telephone Laboratories, Inc. Automatic gain control circuit. 3,386,046, 5–28–68, Cl. 330—29.

Myer, Wilbur V. Forming apparatus. 3,376,010, 4–2–68, Cl. 249—13.

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Myers, Henry S., Jr. Swimming pool heater. 3,411,163, 11–19–68, Cl. 4—172.

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Myers, Luther O., Jr., to Phillips Petroleum Co. Apparatus for producing corrugated structures. 3,407,440, 10–29–68, Cl. 18—12.

Myers, Lyell V., to Olin Mathieson Chemical Corp. Method of expanding multi-hardness panels. 3,408,723, 11–5–68, Cl. 29—157.3.

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Myers, William C., and D. L. Granteer, to Monsanto Co. Field effect transistor control circuitry for multi-axis display systems. 3,409,800, 11–5–68, Cl. 315—169.
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Naarmann, Herbert, and E.-G. Kastning, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of 1,3-diene polymers in aqueous media. 3,407,184, 10–22–68, Cl. 260—82.1.
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Nadeau, Herbert G., and P. H. Waszeciak, to The Upjohn Co. Gel point indicator. 3,413,836, 12-3-68, Cl. 73—17.

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Nadler, Heinrich, to Continental Gummi-Werke Aktiengesellschaft. Tire building drum. 3,418,192, 12-24-68, Cl. 156—401.

Nadler, Joseph L., to The Polyplan Corp. Book rest. 3,411,741, 11-19-68, Cl. 248—456.

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Nadler, Murray, and R. P. Cahn, to Esso Research & Engineering Co. Recovery of anhydrous HCl from aqueous azeotropes by plural stage distillation. 3,394,056, 7-23-68. Cl. 203—12.

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Parks, Sheldon A., and Naeser. 3,378,958.

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Nagai, Satoshi, and K. Furumoto, to Asahi-Dow Ltd. Injection molding processes for thermoplastic materials. 3,363,039, 1-9-68, Cl. 264—245.

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Nagashima, Shinichi, S. Goda, H. Gondou, T. Ooka, H. Mimura, T. Fujishima, K. Sugino, and S. Yano, to Yawata Iron & Steel Co., Ltd. Low-temperature tough steel. 3,388,988, 6-18-68, Cl. 75—128.

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Nagata, Wataru, to Shionogi & Co., Ltd. Processes for cyclizing compounds having the SA carbamyl, 2-oxo napthalene molety to pyrrolidones and reacting the latter with a sulfonyl halide. 3,407,212, 10-22-68, Cl. 260—326.3.

Nagata, Wataru, T. Tomita, and H. Itazaki, to Shionogi & Co., Ltd. Process for preparing 8β-methyl-11β-hydroxy steroids. 3,400,123, 9-3-68, Cl. 260—239.55.

Nagata, Wataru, M. Narisada, T. Wakabayashi, and T. Sugasawa, to Shionogi & Co., Ltd. Process for preparing intermediates of garrya alkaloids. 3,415,830, 12-10-68, Cl. 260—287.

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Nagel, George W., to Westinghouse Electric Corp. Heat-cleaning oven timing control. 3,410,988, 11–12–68, Cl. 219—412.
Nagel, Herbert, to E. I. du Pont de Nemours and Co. Composite film structure and process. 3,375,126, 3–26–68, Cl. 117—46.
Nagel, Herbert, and J. M. Quinn, to E. I. du Pont de Nemours and Co. Coated biaxially oriented polypropylene film. 3,370,792, 2–27–68, Cl. 117—7.
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Nakahara, Tsuneo, and N. Kurauchi, to Sumitomo Electric Industries, Ltd. Train operation control system and method of operating the same. 3,377,587, 4–9–68, Cl. 343—7.
Nakahara, Tsuneo, N. Kurauchi, T. Nagao, and M. Hoshikawa, to Sumitomo Electric Industries, Ltd. Combination system for obstacle detection and communication for vehicles. 3,392,388, 7–9–68, Cl. 343—6.5.
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Nelson, Wilbur W., to Chrysler Corp. Antirotation device. 3,381,257, 4–30–68, Cl. 339—10.

Nelson, Wilfrid L. Packaging and shaping apparatus and method for cheese products. 3,401,041, 9–10–68, Cl. 99—115.

Nelson, William D. Game board with magnets and game pieces with magnetically actuated pointer elements. 3,406,974, 10–22–68, Cl. 273—134.

Nelson, William F. Protective device for rotary lawnmowers. 3,402,535, 9–24–68, Cl. 56—25.4.

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Nemec, Joseph W., and F. W. Schlaefer, to Rohm & Haas Co. Method for the preparation of acrolein. 3,417,145, 12–17–68, Cl. 260—604.

Nemec, Robert A., to International Business Machines Corp. Film removal tab. 3,391,851, 7–9–68, Cl. 229—51.

Nemes, Laszlo. Pressure responsive signal and indicator. 3,417,727, 12–24–68, Cl. 116—70.

Nemessanyi, Ladislav, to Chepos. Zavody Chemickeho a Potravinarskeho. Percussion press. 3,376,728, 4–9–68, Cl. 72—454.

Nemeth, Nicholas C. Window lock. 3,384,999, 5–28–68, Cl. 49—449.

Nemeth, William E., to Avco Corp. Fast attack-slow release electronic relay. 3,409,786, 11–5–68, Cl. 307—247.

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Nemmaier, Christian, and P. M. Amann, to Eisenwerk Friedrich Schroeder. Method and apparatus for preventing snow and ice accumulation. 3,379,372, 4–23–68, Cl. 239—7.

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Lacey, Philip P., and Pridgen. 3,415,290.

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Nemoede, Donald P.: *See*—
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Nemrod, Henry S., and T. Watson. Bag tie. 3,363,293, 1–16–68, Cl. 24—30.5.

Nemy, Alfred S., to TRW Inc. Hard tooth gears and method of making. 3,398,444, 8–27–68, Cl. 29—159.2.

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Nerwin, Hubert, to Eastman Kodak Co. Flash counter. 3,391,621, 7–9–68, Cl. 95—11.
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Nerwin, Hubert, to Eastman Kodak Co. Sorting appaartus for film cartridges. 3,402,811, 9–24–68, Cl. 209—74.
Nerwin, Hubert, to Eastman Kodak Co. Sorting apparatus for film cartridges. 3,402,812, 9–24–68, Cl. 209—80.
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Newberry, Meigs W., to Westinghouse Electric Corp. Multiple column vending machine. 3,379,342, 4–23–68, Cl. 221—129.

Newberry, Meigs W., to Westinghouse Electric Corp. Electrical interlock circuit for multiple choice vending machines. 3,390,754, 7–2–68, Cl. 194—10.

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Nicholson, Jerry A.: *See*—
Musgrave, Joseph S., Rue, and Nicholson. 3,400,364.

Nicholson, John S., and S. S. Adams, to Boots Pure Drug Co. Ltd. Phenyl propionic acids. 3,385,886, 5-28-68, Cl. 260—515.

Nicholson, John S., and S. S. Adams, to Boots Pure Drug Co. Ltd. 4-isobutylphenylacetic acid. 3,385,887, 5-28-68, Cl. 260—515.

Nicholson, Marjorie C.: *See*—
Nicholson, Paul A. and M. C. 3,400,416.

Nicholson, Paul A. and M. C. Combination golf ball and club washer. 3,400,416, 9-10-68, Cl. 15—21.

Nicholson Tile Co.: *See*—
Merz, Max. 3,414,026.

Nicht, Roland E., to United States of America, Navy. Function modulator for simulation apparatus. 3,369,070, 2-13-68, Cl. 35—10.4.

Nicita, Domenico: *See*—
Giacobone, Piero, and Nicita. 3,385,048.

Nick, Howard H.: *See*—
Bolt, Murray H., and Nick. 3,371,195.

Nickel, Horst, F. Suckfull, and K.-H. Schundelhutte, to Farbenfabriken Bayer Aktiengesellschaft. Bis triazole azo dyestuffs. 3,414,558, 12-3-68, Cl. 260—157.

Nickel, Leola M.: *See*—
Nickel, Walter J. 3,373,573.

Nickel, Walter J., to L. M. Nickel. Fuel evaporation refrigeration system. 3,373,573, 3-19-68, Cl. 62—7.

Nickell, Lawrence C., R. B. Fertig, and C. L. Perkins, to Appalachian Electronic Instruments, Inc. Fabric flaw detecting apparatus using photoelectric sensing head traveling on a trolley with brushes engaging a conductive strip. 3,417,252, 12-17-68, Cl. 250—219.

Nickeloid Ltd.: *See*—
Blackmore, Roy C. 3,403,082.

Nickerson, Bryan W., Jr. Portable shelter. 3,419,024, 12-31-68, Cl. 135—2.

Nickerson, Horace W.: *See*—
Fried, Mitchel, and Nickerson. 3,383,156.

Nickerson, James K.: *See*—
Amir, Emanuel M., and Nickerson. 3,417,138.
Claybaugh, Billy E., Nickerson, and Powers. 3,396,087.

Nickerson, John D.: *See*—
Hudson, John W., and Nickerson. 3,361,187.
Wiesboeck, Robert A., and Nickerson. 3,410,654.

Nickerson, John D., and C. M. Payne to Armour Agricultural Chemical Co. Production of purified wet process phosphoric acid from phosphate rock. 3,408,161, 10-29-68, Cl. 23—165.

Nickerson, Malcolm H.: *See*—
Curtis, Frank W., and Nickerson. 3,375,621.

Nickerson, William H.: *See*—
Ide, Walter S., and Nickerson. 3,364,929.

Nickla, Louis E., to International Harvester Co. Cotton picker and cotton compactor therefor. 3,412,532, 11-26-68, Cl. 56—12.

Nickla, Louis E., and J. R. Majkrzak, to International Harvester Co. Intermittently operated bale thrower. 3,400,807, 9-10-68, Cl. 198—128.

Nicklas, William H., to General Electric Co. Envelope wall with two continuous ledges for positioning and supporting aperture mask. 3,404,302, 10-1-68, Cl. 313—85.

Nickles, Lawrence H., and J. E. Harper, to General Motors Corp. Turbine cooling. 3,370,830, 2-27-68, Cl. 253—39.15.

Nickol, Gordon B., to National Distillers and Chemical Corp. Color restoration of distilled liquors. 3,411,918, 11-19-68, Cl. 99—34.

Nickolaenko, Evgeny G., D. J. Jassky, E. E. Mikotin, G. G Tsarev, P. G. Kalashnikov, F. M. Belykh, G. M. Shevchenko, and S. A. Mikulin, to Tsentralnoe Konstruktorsko-Tekhnologickeskoe Bureau. Means for manufacturing blanks for cast iron piston rings. 3,382,557, 5-14-68, Cl. 29—33.

Nickolaev, Valentin P.: *See*—
Voitsekhovsky, Antonov, Nickolaev, Sholkhet, Dudin, Shevchepko, and Olenkov. 3,412,554.

Nickoloff, Alex M., and J. C. Finfrock. Safety guard for power mowers. 3,391,524, 7-9-68, Cl. 56—25.4.

Nicodemus, Keith L., to United States of America, Army. Chirp radar technique for suppressing second time around echoes. 3,363,248, 1-9-68, Cl. 343—17.2.

Nicodimescu, Corneliu, to Ministerul Petrolului. Method for crude oil purification. 3,415,738, 12–10–68, Cl. 208—187.
Nicol, Kenneth M.: *See*—
Herrick, Philip E., and Nicol. 8,389,280.
Nicol, James B., to Drysdale & Co. Ltd. Treatment of sewage and like industrial wastes. 3,366,242, 1–30–68, Cl. 210—195.
Nicola, William H.: *See*—
Allen, Scott E., and Nicola. 3,380,653.
Nicolaie, Radu: *See*—
Babiciu, Pavel, Fieger, Attahal, Gheorghe, and Nicolaie. 3,411,719.
Nicolaisen, Bernard H., to Olin Mathieson Chemical Corp. Production of chloroisocyanurates. 3,397,206, 8–13–68, Cl. 260—248.
Nicolao, Michel, to Compagnie Industrille Francaise des Tubes Electroniques, Societe Anonyme. Photorheostat including discharge lamp and masking means and utilizing length of discharge. 3,414,730, 12–3–68, Cl. 250—217.
Nicolas, Jean: *See*—
Hildebrandt, Mieczyslaw, Nicolas, and Vassiliev. 3,394,-082.
Vassiliev, Avenir. Nicolas, and Hildebrandt. 3,419,496.
Nicolau, Ioan, L. Dogaru, C. Evghenide, A. Ionascut, N. Tihon, and V. Motoriu, to Ministerul Petrolului. Means for measuring fluid density. 3,370,471, 2–27–68, Cl. 73—434.
Nicolaus, Norbert, and H. Krugener, to Firma Homann-Maytag G.m.b.H. Cart for carrying trays. 3,389,946, 6–25–68, Cl. 312—236.
Nicolaus, Ronald W., to Eclipse Fuel Engineering Co. Pressure fitting for a tube joint. 3,365,219, 1–23–68, Cl. 285—340.
Nicolay, Heinz, and F. Beigel, to Graubremse G.m.b.H. Pressure operated braking device for vehicles. 3,394,779, 7–30–68, Cl. 188—170.
Nicolay, Karl, to Durkoppwerke A.G. Sewing apparatus with contour cutting device. 3,376,836, 4–9–68, Cl. 112—124.
Nicolay, Karl, to Durkoppwerke G.m.b.H. Double-chain stitch zigzag sewing machine. 3,376,837, 4–9–68, Cl. 112—158.
Nicole, Andre, and J. Pylant, to Dymo Industries, Inc. Proportional spacing embossing tool. 3,391,773, 7–9–68, Cl. 197—6.7.
Nicoletti, Robert J.: *See*—
Wilson, Rex C., Messerschmidt, and Nicoletti. 3,388,911.
Nicoletti, Vincent J., to The United States Time Corp. Gyroscope null voltage circuit. 3,363,169, 1–9–68, Cl. 323—44.
Nicolli, Robert G. Combination trailer and picnic table. 3,395,-936, 8–6–68. Cl. 296—23.
Nicolosi, Robert V., to Eagle Electric Mfg., Co. Miniature high intensity lamp. 3,369,117, 2–13–68, Cl. 240—81.
Nicolson, Richard E.: *See*—
Klosek, Felix P., Nicolson, and Spence. 3,409,937.
Nicora, Carlo: *See*—
Borsini, Giancarlo, Modena, Nicora, and Ragazzini. 3,401,155.
Borsini, Giancarlo, Nicora, and Ratti. 3,382,223.
Borsini, Giancarlo, Nicora, and Segalini. 3,409,601.
Nicora, Carlo, and G. Borsini, to Montecatini Edison S.p.A. Process for the production of vinylchloride polymers by low-temperature polymerization in the presence of a ceric salt catalyst and an organo-metallic reducing agent. 3,390,-143, 6–25–68, Cl. 260—92.8.
Nicotra, Giuseppe: *See*—
Ciceri, Luigi, D'Alo', Moruzzi, and Nicotra. 3,382,307.
Nicou, Parasko: *See*—
Lefort, Marcel, and Nicou. 3,409,588.
Nid Pty., Ltd.: *See*—
Faerber, Hans A. 3,367,288.
Faerber, Hans A. 3,380,401.
Nida, Henry A.: *See*—
Mitchell, James W., Jr., and Nida. 3,407,280.
Niedecker, Herbert. Apparatus for evacuating and sealing bags. 3,369,341, 2–20–68, Cl. 53—112.
Nieder, dit Chartrice Rene. Spectacle mounting with biased nosed bridge and temple pieces. 3,395,964, 8–6–68, Cl. 351—63.
Nieder, Pietro: *See*—
Oddicini, Renzo, and Nieder. 3,378,060.
Nieder-Westerman, Winfried: *See*—
Wotowiec, Joseph P., Rackley, and Nieder-Westermann. 3,375,773.
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Bell, Charles C. and Niederer. 3,398,521.
Bell, Charles C., and Niederer. 3,403,866.
Bell, Charles C., and Niederer. 3,413,794.
Niederer, Kurt W., to Leesona Corp. Textile machine. 3,398,-522, 8–27–68, Cl. 57—53.
Niederer, Otto C. Egg handling equipment. 3,369,644, 2–20–68, Cl. 198—33.
Niedereder, Martin, to Siemens Aktiengesellschaft. Sweep frequency limit adjusting circuits for sweep generator testing apparatus. 3,379,975, 4–23–68, Cl. 325—131.
Niedereder, Martin, to Siemens Aktiengesellschaft. Sweep generator with sweep linearity control. 3,379,976, 4–23–68, Cl. 325—131.
Niederhauser, Warren D.: *See*—
Chaille, James L., Niederhauser, and Kennedy. 3,411,962.
Niederprum, Hans: *See*—
Horn, Elmar-Manfred, and Niederprum. 3,382,279.
Horn, Elmar-Manfred, and Niederprüm. 3,383,332.
Von der Emden, Wolfgang, Wagner, Niederprum, and Simmler. 3,369,039.
Niederprum, Hans, and W. Simmler, to Farbenfabriken Bayer Aktiengesellschaft. Carboxyalkylmercaptomethyl siloxanes. 3,370,076, 2–20–68, Cl. 260—448.2.
Niedrach, Leonard W., to General Electric Co. Process of generating electrical energy utilizing a fuel containing carbon monoxide and a fuel cell electrode structure therefor, comprising a carbon-monoxide resistant electrode body. 3,393,-100, 7–16–68, Cl. 136—120.
Niedzielski, Edmund L., to E. I. du Pont de Nemours, and Co. Motor fuels. 3,373,005, 3–12–68, Cl. 44—69.
Niegel Textile Corp.: *See*—
Seltzer, Norman L. 3,409,012.
Niehaus, Edward J.: *See*—
Schoonover, Francis B., and Niehaus. 3,405,745.
Niehaus, Edward J., Jr.: *See*—
Warrick, Edward C., and Niehaus. 3,396,826.
Niehaus, Wolfgang: *See*—
Kuckens, Alexander, and Niehaus. 3,378,126.
Niehaus, Wolfgang, to National Rejectors, Inc. SCR counter featuring turn-off circuitry by succeeding stage for preceding stage. 3,408,509, 10–29–68, Cl. 307—225.
Niel, Robert L., to Commissariat a l'Energie Atomique. Device for measuring time intervals between instants marking the course of the phenomenon. 3,414,812, 12–3–68, Cl. 324—68.
Nieland, Paul J., to Horton Mfg. Co., Inc. Clutch with nonrotatable cam actuator. 3,372,782, 3–12–68, Cl. 192—93.
Nieland, Paul J., to Horton Mfg. Co., Inc. Rotary air seal device. 3,409,305, 11–5–68, Cl. 277—40.
Nieland, Paul J., and W. R. Rasmussen, Jr., to Viking of Minneapolis, Inc. Recording carrier handling machine. 3,366,342, 1–30–68, Cl. 242—55.12.
Nield, Cyril H., J. Clarke, and C. G. Screttas, to Chemetron Corp. Preparation of azo compounds. 3,390,146, 6–25–68, Cl. 260—192.
Nield, Gerald L.: *See*—
Eby, Harold H., Nield, Resh, and Smith. 3,410,925.
Nield, Joseph G., Jr., and R. W. Strachan, to Texas Instruments Inc. Control circuit. 3,408,540, 10–29–68, Cl. 317—41.
Nielsen, A. C., Co.: *See*—
Currey, Charles H. 3,372,233.
Haselwood, Donald E. 3,405,393.
Haselwood, Donald E. 3,408,629.
Rahmel, Henry A., and Grube. 3,387,797.
Nielsen, Aage, to H. Nielsen & Son Maskinfabrik A/S. Rotary apparatus for the heating of particulate or granular materials, especially stones for road-making materials. 3,363,-888, 1–16–68, Cl. 263—33.
Nielsen, Adolph. Variable venturi injector. 3,380,393, 4–30–68, Cl. 103—271.
Nielsen, Anker J., Jr., to Omco, Inc. Bits for pipe punches. 3,411,527, 11–19–68, Cl. 137—318.
Nielsen, Earl A., to Universal Oil Products Co. Preparation of nitrodiarylamines. 3,393,241, 7–16–68, Cl. 260—576.
Nielsen, Earl A., to Universal Oil Products Co. Acylation of aromatic amines. 3,409,670, 11–5–68, Cl. 260—562.
Nielsen, Edward G., and S. P. W. Stranddorf, to General Electric Co. Automatic beam control for camera tube. 3,392,236, 7–9–68, Cl. 178—7.2.
Nielsen, Erik J.: *See*—
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Nielsen, Floyd P., and B. O. Anderson. Fence tensioning device. 3,367,634, 2–6–68, Cl. 256—38.
Nielsen, Frithiof F.: *See*—
Henes, Richard W., and Nielsen. 3,371,188.
Nielsen, H., & Son Maskinfabrik A/S: *See*—
Nielsen, Aage. 3,363,888.
Nielsen, Hans K., Jr., D. E. Noyes, G. Godin, and F. C. Norgard, to Johns-Manville Corp. Process of adding bituminous additives to a fibrous material in the grinding zone of a refiner. 3,400,043, 9–3–68, Cl. 162—171.
Nielsen Hardware Corp., The: *See*—
Swanson, Gunnar E., 3,384,402.
Nielsen, Helmer B. Gate opening mechanism for coin testing device. 3,382,962, 5–14–68, Cl. 194—97.
Nielsen, Jan, and C. Hoogzand, to Union Carbide Corp. Tricyclo [3.3.2.0^{4,6}] decadiene-2,7-one-10 and process therefor. 3,403,182, 9–24–68, Cl. 260—586.
Nielsen, John M., to General Electric Co. Halocarbon catalyst inhibitors for reactive organosilicon compositions. 3,383,-356, 5–14–68, Cl. 260—46.5.
Nielsen, John M., to General Electric Co. Curing catalyst system for Si-H additions. 3,385,876, 5–28–68, Cl. 260—448.2.
Nielsen, John M., to General Electric Co. Organopolysiloxanes. 3,389,159, 6–18–68, Cl. 260—448.2.
Nielsen, John M., to General Electric Co. Method for hydrolyzing halosilanes. 3,412,128, 11–19–68, Cl. 260—448.2.
Nielsen, John M., to General Electric Co. Water repellant compositions. 3,418,266, 12–24–68, Cl. 260—33.8.
Nielsen, Jorgen L., to Anchor Coupling Co., Inc. Constant voltage power supply utilizing independent reference and control circuits coupled to each other by an optical link. 3,414,-798, 12–3–68, Cl. 321—2.
Nielsen, Jorgen L., F. P. Brilando, and R. G. Blaho, to Schwinn Bicycle Co. Cable interconnecting mechanism for conversion adaptor. 3,383,941, 5–21–68, Cl. 74—501.
Nielsen, Julian M.: *See*—
Haller, William A., Perkins, and Nielsen. 3,388,254.
Nielsen, Morris L., to Monsanto Co. Process for preparing esters of amidoimidodiphosphoric acid. 3,370,109, 2–20–68, Cl. 260—968.

Nielsen, Morris L., and R. M. Niemi, to Monsanto Research Corp. Extrusion lubricants. 3,379,642, 4–23–68, Cl. 252—29.

Nielsen, Morris L., and L. P. Parts, to Monsanto Research Corp. Cross-linkable heterocyclic polymers. 3,412,065, 11–19–68, Cl. 260—47.

Nielsen, Richard H., C. L. McCarty, and H. G. Wernette, to Compressors Automation Controls Inc. System and apparatus for affording fire protection to compressors pumping combustible fluids. 3,377,018, 4–9–68, Cl. 230—2.

Nielsen, Robert A.: *See*—
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Nielsen, Ross E., to Champion Spark Plug Co. Wet cleaner for spark plug. 3,385,005, 5–28–68, Cl. 51—8.

Nielsen, Thomas C.: *See*—
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Nielsen, William W., R. L. Friedman, and W. E. Lawrence, to U.S. Peroxygen Corp. Process for purifying solid peroxides. 3,367,951, 2–6–68, Cl. 260—406.

Nielson, Carl C.: *See*—
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Kandel, Samuel, and Nielson. 3,415,954.

Nieman, Thomas F., to Patio Door Closer, Inc. Sliding door closer. 3,398,424, 8–27–68, Cl. 16—80.

Niemand, Leon, to Politechnika Warszawska. Combustion engine with revoluting pistons forming a closed kinematic chain. 3,387,596, 6–11–68, Cl. 123—8.

Niemann, Gustav. Worm and worm-wheel transmissions. 3,396,595, 8–13–68, Cl. 74—425.

Niemann, Hans H. R.: *See*—
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Niemann, Robert A., to General Electric Co. Power control apparatus. 3,397,321, 8–13–68, Cl. 307—31.

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Niemeyer, Edgar W.: *See*—
Jeep, Charles W., Jr., and Niemeyer. 3,399,627.
Jeep, Charles W., Jr., Niemeyer, and Hahn. 3,362,588.

Niemeyer, Willy, K.-H. Haneke, and G. Espel, to Windmoller & Holscher. Machine for manufacturing sacks having folded bottoms from transversely fed tube sections. 3,386,576, 6–4–68, Cl. 209—82.

Niemi, Onni W.: *See*—
Timares, Norman R., and Niemi. 3,365,714.

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Niemoller, Arthur B., to Westinghouse Electric Corp. Expansion joints for isolated phase bus bars and ducts. 3,389,213, 6–18–68. Cl. 174—88.

Nienaber, Frank H., to Television Laboratories, Inc. Fan dipole with mounting clip. 3,363,255, 1–9–68, Cl. 343—795.

Nienhaus, Clemens, and J. Vollmer, to Jean Wallerscheid, K.G., Firma. Double friction clutch for motor vehicles. 3,398,821, 8–27–68, Cl. 192—48.7.

Nienhuis, Rijkert J., to North American Philips Co., Inc. Transistor circuit-arrangement. 3,407,332, 10–22–68, Cl. 315—27.

Nienstaedt, Robert, to Cal Aage Casper Moller. Control circuit arrangement for controlling temperature variations of a fluid and a comparison circuit arrangement for use in conjunction with the control circuit arrangement. 3,392,914, 7–16–68, Cl. 236—46.

Niepmann, Otto, to Maschinenfabrik Fr. Niepmann & Co. Device for use in connection with cigarette packing machines for filling cigarette funnels and the like. 3,391,770, 7–9–68, Cl. 193—3.

Niepraschk, Arno: *See*—
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Niermann, Hermann, and H. F. Harnisch, to Knapsack Aktiengesellschaft. Process for the manufacture of phosphorus pentasulfide of predetermined reactivity. 3,380,808, 4–30–68, Cl. 23—206.

Niermann, Hermann, H. Klee, W. Forst, and J. Cremer, to Knapsack Aktiengesellschaft. Process for the manufacture of iron-free phosphorus pentasulfide. 3,387,937, 6–11–68, Cl. 23—206.

Niertit, Frank, F. Pankotay, and J. Shirman, to Stromberg-Carlson Corp. Conference circuit with suppressed sidetones. 3,399,275, 8–27–68, Cl. 179—1.

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Nievelstein, Marta M.: *See*—
Schutz, Erich, Hastik, and Nievelstein. 3,399,053.

Nievelstein, Matthias J. W. E.: *See*—
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Niewind, Reiner: *See*—
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Niewyk, Anthony, J. L. McConnell, and G. H. Myers, to Whirlpool Corp. Electronic heat control for dryer. 3,419,708, 12–31–68, Cl. 219—501.

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Nigh, Carl L., to General Motors Corp. Bearing means particularly for oscillating motion. 3,380,789, 4–30–68, Cl. 308—78.

Nighswander, Dan R., and J. Walter, to W. R. Wagner Mfg. Co. Portable clothes dryer. 3,364,592, 1–23–68, Cl. 34—133.

Nightingale, Eugene R., Jr., to Esso Research and Engineering Co. Dehydration of magnesium chloride utilizing two stages. 3,387,920, 6–11–68, Cl. 23—91.

Nightingale, Eugene R., Jr., to Esso Research and Engineering Co. Purification of carnallite. 3,411,870, 11–19–68, Cl. 23—91.

Nightingale, Humphrey C. E.: *See*—
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Nightingale, John G., J. M. Repholz, J. C. Sieglinger, and S. Zak, to American Telephone and Telegraph Co. Message unit charging and billing equipment. 3,400,222, 9–3–68, Cl. 179—7.1.

Nigrelli, Biagio J., and W. E. Standley, to Johns-Nigrelli-Johns, Inc. Flap slitter and positioner. 3,373,543, 3–19–68, Cl. 53—381.

Nigrelli, Biagio J., W. E. Standley, and J. I. Wittmann, to John-Nigrelli-Johns, Inc. Case loader for multiple articles. 3,377,774, 4–16–68, Cl. 53—250.

Nigrelli, Gus T. Safety wheel for automotive and similar vehicles. 3,397,014, 8–13–68, Cl. 301—39.

Nihof, Hendrikus J., A. Bijl, and A. C. H. Borsboom, to Shell Oil Co. Square root computing circuit. 3,408,488, 10–29–68, Cl. 235—193.5.

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Takano, Yasumasa, Miura, and Yamamoto. 3,419,880.
Takeuchi, Makoto, and Yoshioka. 3,371,271.
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Nihon Vinylon Co., Ltd.: *See*—
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Nihon Yushutsu Denkyu Kyodo Kumai: *See*—
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Niiho, Minoru, H. Ueda, T. Tokui, J.-I. Nakajima, and M. Hamada. Process for stretching tubular molded articles of thermoplastic resin. 3,363,035, 1–9–68, Cl. 264—89.

Nijhof, Engbert B. G.: *See*—
Donkers, Mathias, and Nijhof. 3,374,395.

Nijhoff, Gerard J. J., to Kunstzijdespinnerij Nyma N.V. Edible spreads of unctuous consistency and low calorie value. 3,418,133, 12–24–68, Cl. 99—1.

Nijland, Louis M., and J. Schroder, to North American Philips Co., Inc. Combustion flash bulb lamp. 3,377,126, 4–9–68, Cl. 431—94.

Nikazy, Walter A.: *See*—
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Nikex Nekezipari Kulkereskedelmi Vallalat: *See*—
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Niki, Akira, S. Nakayama, and M. Nakane, to Toyoda Automatic Loom Works, Ltd. Swash plate compressor for use in air conditioning system for vehicles. 3,380,651, 4–30–68, Cl. 230—178.

Nikiforov, Ilja N.: *See*—
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Nikitin, Alexandr A.: *See*—
Mazurov, Dmitry J., Zakharov, Malkin, Chernyshov, Lexin, Seliverstov, Nikitin, and Potanin. 3,410,542.

Nikkel, Willem A., to Samuel M. Langston Co. Applicator roll with metering means. 3,383,234, 5–14–68, Cl. 117—37.

Nikkinen, Aleksandri. Suspender, intended in particular for stockings. 3,362,051, 1–9–68, Cl. 24—245.

Nikko Chemical Kabushiki Kaisha: *See*—
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Niklas, Wilfrid F.: *See*—
Dolon, Paul J., and Niklas. 3,383,514.

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Nitzsche, Siegfried, M. Wick, and K. W. Wegehaupt, to Wacker-Chemie G.m.b.H. Stabilized linear siloxane polymers. 3,398,176, 8-20-68, Cl. 260—448.2.
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Nixon, William G., to Universal Oil Products Co. Alkylation catalyst-inorganic oxide of sulfur chemically combined with a phosphoric acid on a support. 3,402,130, 9-17-68, Cl. 252—437.
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Nodfelt, Ingvar N. Non-interchangeable connector and setting tool therefor. 3,364,455. 1-16-68, Cl. 339—90.

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Noe, Alfons F., and E. J. Beckhorn, to Baxter Laboratories, Inc. Debridement agent. 3,409,719, 11-5-68, Cl. 424—94.

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Noe, Joseph J. Church kneeler device. 3,398,988, 8-27-68, Cl. 297—426.

Noe, Luigi, to Sviluppo Silicalcite S.p.A. Cage type disintegrator with blade shaped impacting members, particularly suited for processing hard materials. 3,411,724, 11-19-68, Cl. 241—188.

Noe, Renato R., to Worthington Corp. Multiple header feedwater heater. 3,390,721, 7-2-68, Cl. 165—111.

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Nolret, Maurice. Magnetic device to lift and melt a body without any holder. 3,363,081, 1-9-68, Cl. 219—10.79.

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Nordgren, Robert, and H. A. Wittcoff, to General Mills, Inc. Dimeric fatty hydrocarbon polyquaternary amines. 3,371,116, 2-27-68, Cl. 260—567.6.

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Norell, John R., D. L. Crain, and R. F. Kleinschmidt, to Phillips Petroleum Co. Production of stilbene and bibenzyl. 3,387,050. 6–4–68, Cl. 260—668.

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Nottoli, Le Roi, to R. Hallowell III. Selective card distributing device. 3,377,070, 4–9–68, Cl. 273—149.

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Okamoto, Tatsumi, A. Hirayama, S. Kawanami, and Y. Nishikawa. Method for forming a resin lining inside a metal pipe. 3,376,152, 4–2–68, Cl. 117—18.
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Oliveto, Eugene P., to Schering Corp. Method for the manufacture of steroidal delta-1,4-dieneones and new product obtained thereby. 3,415,851, 12-10-68, Cl. 260—397.45.

Oliveto, Eugene P., and R. Rausser, to Schering Corp. 16-Alkyl-11-desoxy steroids. 3,379,745, 4-23-68, Cl. 260—397.47

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Olivier, Kenneth L., to Union Oil Co. of California. Recovery of organic liquid from a close boiling anhydride by distillation in presence of an organic acid. 3,403,079, 9-24-68, Cl. 203—38.

Olivier, Kenneth L., to Union Oil Co. of California. Preparation of β-acyloxy-carboxylic acids and α,β-unsaturated carboxylic acids by oxidative carbonylation. 3,415,871, 12-10-68, Cl. 260—497.

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Ollier, Jacques H. G., G. F. Grosshans, and R. G. Masson. Devices for feeding a fluid product into packing containers. 3,403,829, 10-1-68, Cl. 222—571.

Olliff, Martin T., Jr., to Thiokol Chemical Corp. Method of obtaining uni-directional orientation of monofilaments in curable elastomeric materials. 3,413,384, 11-26-68, Cl. 264—3.

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Olofsson, Hans K., and S. I. Trulsson, to Atlas Copco Aktiebolag. Thrust balancing in rotary machines. 3,388,854, 6-18-68, Cl. 230—143.

Olofsson, Hans K., H. G. Pettersson, and S. I. Trulsson, to Atlas Copco Aktiebolag. Screw compressor units. 3,407,996 10-29-68, Cl. 230—139.

Olofsson, Stig E., to Arenco Aktiebolag. Device for tapering the ends of substantially cylindrical cigar bunches. 3,369,554, 2-20-68, Cl. 131—92.

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Olsen, Arnold R., to Dresser Industries, Inc. Air cooled wall construction for incinerators. 3,380,409, 4-30-68, Cl. 110—56.

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Olsen, John C., and C. E. Taylor, to Anaconda Aluminum Co. Starting block assembly for continuous casting apparatus. 3,384,152, 5-21-68, Cl. 164—274.

Olsen, Judith D., and L. T. Romankiw, to International Business Machines Corp. Electroless Ni-Fe deposition process. 3,382,079, 5-7-68, Cl. 106—1.

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Olsen, Marvin R., to Sunbeam Corp. Lawn mower with an adjustable wheel support. 3,390,894, 7-2-68, Cl. 280—43.17.

Olsen, Oluf, to John Dusenbery Co., Inc. Apparatus for automatically controlling the speed of a rewind mandrel. 3,373,332, 3-12-68, Cl. 318—396.

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Olsen, Ronald H., to Dairy Technics, Inc. Process of making a frozen bacterial concentrate. 3,404,984, 10-8-68, Cl. 99—91.

Olsen, Samson, to Allied Chemical Corp. Coke oven standpipe and elbow cleaning apparatus. 3,400,052, 9-3-68, Cl. 202—241.

Olsen, Thomas O. Cushion for decelerating falling bodies. 3,399,407, 9-3-68, Cl. 5—348.

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Olson, Albert W., and C. L. Peterson, to Sylvania Electric Products Inc. High pressure electric discharge lamp having an auxiliary starting device affixed to at least one electrode. 3,363,132, 1-9-68, Cl. 313—198.

Olson, Arthur A. W. Hair cutting attachment to electric razor. 3,392,444, 7-16-68, Cl. 30—90.

Olson, Arthur R., to The Kendall Co. Needled non-woven fabrics and method of making the same. 3,366,529, 1-30-68, Cl. 161—67.

Olson, Arthur R., to The Kendall Co. Method for producing reticulated film. 3,400,188, 9-3-68, Cl. 264—156.

Olson, Bernard J., and R. J. Teply, to Sperry Rand Corp. Memory fabrication method. 3,392,053, 7-9-68, Cl. 117—212.

Olson, Buford W., to Chas. Olson & Sons Inc. Spool mounting device. 3,367,600, 2-6-68, Cl. 242—86.7.

Olson, Carroll G. and T. V. Self-propelled sprinkling irrigation apparatus. 3,386,661, 6-4-68, Cl. 239—177.

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Olson, Danford H., to Marathon Oil Co. Process for the dehydrogenation of ethylbenzene. 3,406,219, 10-15-68, Cl. 260—669.

Olson, Danford H., and P. W. Storms, to Marathon Oil Co. Preparation of nitroaromatic hydroxides. 3,388,173, 6-11-68, Cl. 260—622.

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Olson, Danford H., G. M. Bailey, and J. T. Kelly, to Marathon Oil Co. Dehydrogenation processes. 3,410,920, 11–12–68, Cl. 260—669.

Olson, David G. Electronic musical instrument. 3,379,820, 4–23–68, Cl. 84—1.24.

Olson, David G. Phase shift frequency dividers. 3,398,378. 8–20–68, Cl. 331—76.

Olson, Donald M., to Santa Fe National Bank. Tote board assembly. 3,361,439, 1–2–68, Cl. 280—43.1.

Olson, Donald M., granted to U.S. Atomic Energy Commission under provisions of 42 U.S.C. 2182. Isotope-powered X-ray instrument for detecting the arrival of an interface in a pipeline 3,396,272. 8–6–68, Cl. 250—43.5.

Olson, Donald M., and G. O. Vene Klasen. Heat dissipator. 3,388,739, 6–18–68, Cl. 165—80.

Olson, Donel R.: *See*—
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Olson, Harold J. Valve apparatus responsive to fluid flow. 3,396,740, 8–13–68, Cl. 137—87.

Olson, Harry F., and H. Belar, to Radio Corp. of America. Volced sound fundamental frequency detector. 3,400,215, 9–3–68, Cl. 179—1.

Olson, Henry A. Solid propellant rocket motor. 3,369,365, 2–20–68, Cl. 60—225.

Olson, Herbert H., to Hayes-Albion Corp. (formerly known as Hayes Industries Inc.). Intermittent motion mechanism. 3,408,877, 11–5–68, Cl. 74—84.

Olson, Hilding M., Jr., to Bell Telephone Laboratories, Inc. Mode suppression in coaxial magnetrons having diverse size anode resonator. 3,384,783, 5–21–68, Cl. 315—39.77.

Olson, Irvin E. Rotatable roof structure. 3,381,422, 5–7–68, Cl. 52—66.

Olson, James R., to Eastman Kodak Co. Development and coating of new zinc oxide photoconducting recording systems. 3,396,016, 8–6–68, Cl. 96—1.8.

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O'Neal, James E., and J. K. and C. W. Gunter, to Gunter & Cooke, Inc. Magnetic roll structure. 3,364,545, 1–23–68, Cl. 29—125.
O'Neal, Larry. Dock seal. 3,391,502, 7–9–68, Cl. 52—2.
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O'Neil, Gordon R., and J. F. Stufflebeam, to International Harvester Co. High speed reciprocating hilldrop valve. 3,402,685, 9–24–68, Cl. 111—37.
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O'Neill, David J., and V. Leikam, to O'Neill Tank Co., Inc. Horizontal emulsion treater. 3,394,530, 7–30–68, Cl. 55—166.
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O'Neill, James P., to TRW Inc. Magnetic hysteresis apparatus. 3,416,749, 12–17–68, Cl. 244—1.
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O'Neill, Richard J., and R. J. Kinkaid, to AMP, Inc. Electrical connectors for terminating leads of micro-modular components or the like. 3,409,857, 11–5–68, Cl. 339—17.
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Onuma, Gichi, and T. Kurokouchi, to Tokyo Shibaura Electric Co., Ltd. Shift register using cascaded nor circuits with forward feed from preceding to succeeding stages. 3,371,221. 2–27–68. Cl. 307—221.
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Opel, Charles J., and P. H. Bottoms, to Swedlow, Inc. Continuous casting process. 3,376,371, 4–2–68, Cl. 264—216.
Openshaw, Harry T., and N. Whittaker, to Burroughs Wellcome & Co. Inc. Manufacture of 1,2,3,4,6,7-hexahydro-2-oxo-11b-H-benzo(a) quinolizines. 3,375,254, 3–26–68, Cl. 260—289.
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Opie, William R., and J. A. Paces, to American Metal Climax, Inc. Copper-zirconium alloy. 3,392,016, 7–9–68, Cl. 75—153.
Opitz, Charles L., to Lockheed Aircraft Corp. Salt water galvanic cell with steel wool cathode. 3,401,063, 9–10–68, Cl. 136—100.
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Oppenhuizen, Simon W., and J. O. Lockwood, to Uniline Corp. Drawer construction including preformed side members and supporting slide rails therefor. 3,386,784, 6–4–68, Cl. 312—348.
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O'Quinn, Harry D. Clutch-bar means for an adjustable wrench. 3,376,767, 4–9–68, Cl. 81—145.
O'Quinn, Paul V., to J. C. Renfroe & Sons, Inc. Lifting clamp. 3,414,315, 12–3–68, Cl. 294—104.
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Orbach, Harry K., J. G. Bedjai, R. E. Martindill, and J. Kritchevsky, to MHD Research, Inc. and MEGA Metals Corp. Method of producing beryllium halides from beryllium ore in a high intensity ore. 3,390,980, 7–2–68, Cl. 75—84.5.
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Orcutt, Dee R., to PPG Industries, Inc. Method for producing window panels. 3,414,445, 12–3–68, Cl. 156—106.

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Ordelt, Hermann E. F., D. R. G. Wagnitz, and W. R. W. Sokolowski, to The British Petroleum Co. Ltd. Inhibited antifreeze composition. 3,362,910, 1–9–68, Cl. 252—75.

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Ordower, Robert, to International Business Machines Corp. Feedback amplifier utilizing a feed forward technique to achieve high direct current gain and wide bandwidth. 3,408,586, 10–29–68, Cl. 330—28.

O'Rear, Harrel W. Fire extinguishing system. 3,407,879, 10–29–68, Cl. 169—9.

O'Rear, John D. Wind-resistant umbrella. 3,386,455, 6–4–68, Cl. 135—20.

Orebic, Oleg J., and R. W. Handmann, to Westinghouse Electric Corp. High speed automatic apparatus for making mounts for electric lamps. 3,407,464, 10–29–68, Cl. 29—25.2.

O'Regan, Charles P., to General Precision Inc. Variable reluctance stepper motor damper. 3,385,984, 5–28–68, Cl. 310—49.

O'Regan, Charles P., to General Precision Inc. Slow speed motor. 3,401,322, 9–10–68, Cl. 318—138.

O'Regan, James F., B. A. Lundberg, and W. J. Mussoni, to E. W. Bliss Co. Portable foam nozzle. 3,419,082, 12–31–68, Cl. 169—15.

O'Reilly, Jack E., and J. L. Freeman, and A. L. Renkey. Reheat furnace having skid rails 3,383,098, 5–14–68, Cl 263—6.

O'Reilly, Noel A. Portable panel hoist. 3,382,988, 5–14–68, Cl. 214—1.

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Orlandini, Sabatino, to Societa 'Italiana Telecomunicazioni Siemens S.p.A. Line connector circuit arrangement in automatic telecommunication switching systems particularly for telegraphic exchanges. 3,412,212, 11–19–68, Cl. 179—18.

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Orlando, Anthony W., R. R. Jacobsen, S. W. Nutter, and G. Popp, to International Business Machines Corp. Toggle latching reel cover with a sliding door. 3,371,882, 3–5–68, Cl. 242—55.13.

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Ottestad, Jack B. Impact ram. 3,363,513, 1-16-68, Cl. 91—5.

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Palen, Peter H., to Sigma-Netics, Inc. Pressure responsive actuator wherein a spring is adjusted by rotation of the housing to change actuation pressure. 3,419,692, 12–31–68, Cl. 200—82.

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Trost, Paul E., Palen, and Hammond. 3,399,921.

Palermo, Blaze T., to Miles Laboratories, Inc. Directly compressed low-density crystalline sorbitol pharmaceutical tablets. 3,384,546, 5–21–68, Cl. 167—82.

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Palermo, James J., R. P. Bonazoli, R. F. Scoledge, and E. G. Audesse, to Sylvania Electric Products Inc. Incandescent lamp. 3,416,851, 12–17–68, Cl. 316—19.

Paleschuck, Maurice, to Hydra-Power Corp. Self closing valve device for implantation in the human body. 3,402,710, 9–24–68, Cl. 128—1.

Palesi, Marie, and R. J. Palesi. Apparatus for attaching components to a circuit board. 3,395,439, 8–6–68, Cl. 29—203.

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Paleveda, James M. Automatic inserter for assembling folded signatures. 3,383,102, 5–14–68, Cl. 270—55.

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Palfey, Albert J., to The Dow Chemical Co. Building panel and method of assembly. 3,363,378, 1–16–68, Cl. 52—309.

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Pallwoda, Eugene J., and J. C. McManus, to Jones & Laughlin Steel Corp. Free-cutting steels. 3,387,968, 6–11–68, Cl. 75—49.

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Pall, David B., and R. I. Gross, to Pall Corp. Heat exchanger. 3,372,743, 3–12–68, Cl. 165—166.

Pall, David B., and C. A. Keedwell, to Pall Corp. Process for preparing filters having a microporous layer attached thereto. 3,407,252, 10–22–68, Cl. 264—131.

Pall, David B., and J. F. Campolong, to Laboratories for Electronics, Inc. Centrifugal pump having an impeller shaft mounted on a rotating bearing. 3,417,704, 12–24–68, Cl. 103—87.

Palladino, Robert A. Burglar alarm systems. 3,408,642, 10–29–68, Cl. 340—276.

Pallatz, Harold, to Industrial Instruments, Inc. High voltage metering system. 3,398,369, 8–20–68, Cl. 324—119.

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Pallinger, Josef, to Waagner-Biro Aktiengesellschaft. Method of removing suspended acidic or alkaline pulverulent particles from gases. 3,411,864, 11–19–68, Cl. 23—2.

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Pallos, Ferenc M., and A. E. Pavlath, to Stauffer Chemical Co. Process for preparing 1,1,1,2-tetrachloro-2-fluoroethane and 1,1,1,-trichloro-2,2-difluorethane. 3,396,202, 8–6–68, Cl. 260—653.

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Palm, Richard A., H. H. O. Cherdron, H. H. W. Ohse, and F. W. A. G. K. Korte, to Shell Oil Co. Process for preparing colored polyepoxide polymers 3,380,987, 4–30–68, Cl. 260—141.

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Palmer, Charles E., to Jones & Laughlin Steel Corp. Containers. 3,402,875, 9–24–68, Cl. 229—51.

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Palmer, Douglas W., to Westinghouse Electric Corp. Circuit interrupter with locking provision. 3,408,466, 10–29–68, Cl. 200—42.

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Palmer, John R. Aircraft retractable undercarriage. 3,384,-332, 5–21–68, Cl. 244—102.

Palmer, John S., to International Harvester Co. Tractor wheel securing device. 3,404,908, 10–8–68, Cl. 287—52.6.

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Panicci, John D. Fishing lure. 3,418,744, 12–31–68, Cl. 43—42.5.

Panicci, Richard L.: *See*—
Larson, Wesley S., and Panicci. 3,367,486.
Panicci, Richard L., to The Torrington Co. Display package. 3,400,811, 9–10–68, Cl. 206—66.
Paniccia, Sally L.: *See*—
Dersch, Fritz, and Paniccia. 3,396,022.
Panich, Michael: *See*—
Gardiner, Roy W., Panich, and Yager. 3,404,604.
Panigati, Pier L. Adjustable shock absorber device for fluid pressure operated cylinders. 3,367,455, 2–6–68, Cl. 188—100.
Panknin, Wallace B., to Interstate Bakeries Corp. Nesting and stacking trays. 3,366,264, 1–30–68, Cl. 220—19.
Panko, Jerome J.: *See*—
Beziaj, Frank A., and Panko. 3,396,603.
Pankotay, Ferenc: *See*—
Gardner, Frederick H., and Pankotay. 3,413,438.
Niertit, Frank, Pankotay, and Shirman. 3,399,275.
Pankove, Jacques I., to Radio Corp. of America. Semiconductor plasma laser. 3,412,344, 11–19–68, Cl. 331—94.5.
Pankow, Edmund G., to Westinghouse Electric Corp. Range apparatus. 3,362,693, 1–9–68, Cl. 259—138.
Pankratova, Evgenia A.: *See*—
Zhukov, Leonid A., Kartashov, Pankratova, and Ryzhov. 3,400,326.
Panlaqui, Clayton E.: *See*—
Swallow, Robert E., and Panlaqui. 3,382,803.
Pannell, Calvin E.: *See*—
Niles, Earl T., Oja, and Pannell. 3,408,331.
Pannell, Calvin E., and E. D. Lund, to The Dow Chemical Co. Plastisol binder composition for rocket propellants containing azide and hydrazine compounds. 3,403,062, 9–24–68, Cl. 149—36.
Pannell, Leiter T.: *See*—
Fye, Carl W., and Pannell. 3,381,711.
Panneman, Harm J., and F. H. A. A. van Bakel, to Organon Inc. Process for preparing N$^{\epsilon}$-tertiary butyloxy-carbonyllysine and its derivatives. 3,377,338, 4–9–68, Cl. 260—207.1.
Pannier Corp., The: *See*—
Cartside, Roger H. 3,364,723.
Pannier, Ralph A. 3,418,934.
Pannier, Karl A., W. H. Ring, and J. L. Sorenson, to Le Voy's Inc. Catheter placement unit. 3,399,674, 9–3–68, Cl. 128—214.4.
Pannier, Ralph A., to The Pannier Corp. Line band selector for differential tin plate marker. 3,418,934, 12–31–68, Cl. 101—328.
Pannone, Richard F., to Hayes Industries, Inc. Universal mounting system for mufflers. 3,386,529, 6–4–68, Cl. 181—72.
Panopix Research Inc.: *See*—
Wells, Leon W. 3,408,019.
Pansini, Andrew L. Automatic cleaner for swimming pools. 3,392,738, 7–16–68, Cl. 184—167.
Pansini, Francis J. Constant power, varying speed polyphase motor. 3,403,313, 9–24–68, Cl. 318—225.
Pantasote Co. of New York, Inc., The: *See*—
Thanhauser, Albert S., and Weiss. 3,388,827.
Weiss, Hugh R. 3,401,825.
Pantazos, Iwanne. Mount for magnifying glass for sewing machine. 3,361,513, 1–2–68, Cl. 350—244.
Panther Pumps & Equipment Co., Inc.: *See*—
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Panto Enterprises Inc.: *See*—
Hawk, Cortez. 3,384,320.
Koett, Thomas E. 3,394,699.
Panto, Vittorio. Device for operating the control of both brake and accelerator of an automobile by single pedal. 3,419,116, 12–31–68, Cl. 192—3.
Pantulu, Amirapu J., K. T. Achaya, G. S. Sidhu, and S. H. Zaheer, to Council of Scientific and Industrial Research. Preparation of saturated, unsaturated and hydroxy fatty alcohols by hydrogenation. 3,377,388, 4–9–68, Cl. 260—638.
Panza, Albert E. Golf swing training device. 3,375,010, 3–26–68, Cl. 273—186.
Panzer, Richard E., to United States of America, Navy. High energy-density heat-activated voltaic cells at intermediate temperatures. 3,367,800, 2–6–68, Cl. 136—88.
Panzica, Nicholas J., to Ajem Laboratories, Inc. Cupola furnace installations having a safety bypass. 3,377,058, 4–9–68, Cl. 266—15.
Pao, Yoh-Han, and P. M. Rentzepis, to Bell Telephone Laboratories, Inc. Light polarizer. 3,402,979, 9–24–68, Cl. 350—147.
Paolantonio, Albert J., to Colonial Knife Co., Inc. Display package for portable articles. 3,406,815, 10–22–68, Cl. 206—45.24.
Paoletti, Giovanni. Hive for beekeeping provided with quick access ways from the bottom to the honey small frames. 3,408,668, 11–5–68, Cl. 6—1.
Paoli, Stephen A. Method for removing meat from bones. 3,370,321, 2–27–68, Cl. 17—45.
Paonessa, Thomas A. Warning system and switches therefor. 3,380,046, 4–23–68, Cl. 340—262.
Papa, Anthony J., to E. I. du Pont de Nemours and Co. 2-halo-guanidines. 3,406,170, 10–15–68, Cl. 260—246.
Papa, Frank J., Jr., to Industrial Timer Corp. Variable time cycle device for timer. 3,376,757, 4–9–68, Cl. 74—370.
Papa, Frank J., Jr., to Industrial Timer Corp. Clutch for a timer device. 3,378,123, 4–16–68, Cl. 192—67.
Papadakis, Emmanuel P., to Bell Telephone Laboratories, Inc. Ultrasonic wave transmission devices. 3,400,340, 9–3–68, Cl. 333—30.
Papadeas, Michael A., to Western Electric Co., Inc. System for testing and adjusting electrical filters having a signal burst transmitting means. 3,419,799, 12–31–68, Cl. 324—57.
Papadia, Cosimo S., and J. Di Giovanni; said Di Giovanni assor. to said Papadia. Hydraulic flow regulating apparatus. 3,376,793, 4–9–68, Cl. 91—468.
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Deal, Carl H., Jr., and Papadopoulos. 3,363,989.
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Papalegis, Frank E.: *See*—
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Tillisch, Paul W., Meyer, and Papalia. 3,388,521.
Papapanu, James A., to Carrier Corp. Centrifugal compressor. 3,362,629, 1–9–68, Cl. 230—127.
Papapanu, James A., to Carrier Corp. Multiple-effect absorption refrigeration systems. 3,389,572, 6–25–68, Cl. 62—101.
Papapanu, James A., and F. N. Decker, Jr., to Carrier Corp. Refrigerant condensate circuit in multiple-effect absorption refrigeration systems. 3,389,573, 6–25–68, Cl. 62—101.
Papayoti, Hristo V., to Unistrut Corp. Structural joint assembly and connectors therefor. 3,415,554, 12–10–68, Cl. 287—189.36.
Papazian, Zareh, to Societe d'Exploitation des Brevets Industriels SEBI. Rapidly secured button. 3,389,439, 6–25–68, Cl. 24—90.
Pape, Hans, to Deutsche Perlite Gesellschaft m.b.H. Method of removing an oil film from water with silicone-coated expanded perlite. 3,382,170, 5–7–68, Cl. 210—36.
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Papee, Denis: *See*—
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Michel, Max, and Papee. 3,411,877.
Papendick, Robert I., and J. F. Parr, Jr., to Tennessee Valley Authority. Fluid metering and dispensing apparatus. 3,387,635, 6–11–68, Cl. 141—37.
Papenguth, Richard P., to Parker-Hannifin Corp. Journal box sealing device. 3,368,821, 2–13–68, Cl. 277—130.
Paper Converting Machine Co., Inc.: *See*—
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Shade, Robert A., Nystrand, and Marchant. 3,413,706.
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Paper Mate Mfg. Co.: *See*—
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Millich, Thomas L. 3,405,611.
Papetti, Stelvio, to Olin Mathieson Chemical Corp. Bis organohalosilyl carboranes and neocarboranes. 3,366,656, 1–30–68, Cl. 260—448.2.
Papetti, Stelvio, to Olin Mathieson Chemical Corp. Organodisila-oxanyl carboranes. 3,366,657, 1–30–68, Cl. 260—448.2.
Papetti, Stelvio, to Olin Mathieson Chemical Corp. Silicon containing organoboranes and process therefor. 3,366,658, 1–30–68, Cl. 260—448.2.
Papetti, Stelvio, to Olin Mathieson Chemical Corp. Silicon containing organoboranes. 3,366,659, 1–30–68, Cl. 260—448.2.
Papetti, Stelvio, to Olin Mathieson Chemical Corp. Silylamine carboranes. 3,374,258, 3–19–68, Cl. 260—448.2.
Papetti, Stelvio, to Olin Mathison Chemical Corp. Cyclic organosilylamine carboranes and process therefor. 3,374,259, 3–19–68, Cl. 260—448.2.
Papetti, Stelvio, to Olin Mathieson Chemical Corp. Bisdiorganosilylamine carboranes. 3,377,370, 4–9–68, Cl. 260—448.2.
Papetti, Stelvio, to Olin Mathieson Chemical Corp. Organosiloxane containing carboranes and process therefor. 3,397,221, 8–13–68, Cl. 260—448.2.
Papex Corp.: *See*—
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Heying, Theodore L., Papetti, and Schaffling. 3,388,091.
Heying, Theodore L., Papetti, and Schaffling. 3,388,092.
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Papin, Franklin E., J. R. Toler, and S. H. Cotton, to Melpar Inc. Digital helicopter trainer. 3,400,471, 9–10–68, Cl. 35—12.
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Papke, Elizabeth J.: *See*—
Barbier, Jean Y., and Papke. 3,417,227.

Papke, Friedrich, to Voigtlander, A.G. Albada type viewfinder with reduction of interference due to reflected light rays. 3,379,092, 4–23–68, Cl. 8.8—1.5.

Papke, Friedrich, to Voigtlander A.G. Viewer for photographic cameras. 3,380,336, 4–30–68, Cl. 88—1.5.

Papke, Friedrich, to Voigtlander A.G. Rangefinder for photographic purposes including a deformable prism. 3,382,755, 5–14–68, Cl. 88—2.4.

Papp, Alexander A.: *See*—
MacFarland, Charles H., and Papp. 3,370,315.

Papp, Alexander M., and L. P. Hine, Jr., to American Gas Association Inc. Grease incinerator. 3,375,081, 3–26–68, Cl. 23—277.

Papp, Stephen J. Batting practice device. 3,380,738, 4–30–68, Cl. 273—26.

Pappadis, Nicholas P.: *See*—
Kraner, James L., and Pappadis. 3,387,166.

Pappas, Chris: *See*—
Gorski, Alexander A., and Pappas. 3,414,825.

Pappas, Donna M. Ankle guard. 3,383,708, 5–21–68, Cl. 2—22.

Pappas, James J., and E. Gancher, to Interchemical Corp. Triphenylphosphine (dithiocarboxy) cyanomethylene and derivatives. 3,394,166, 7–23–68, Cl. 260—455.

Pappas, Phillip M. Broiler. 3,369,481, 2–20–68, Cl. 99—445.

Pappo, Raphael, to G. D. Searle & Co. Process and intermediates for manufacture of 19-norsteroids. 3,383,384, 5–14–68, Cl. 260—239.5.

Pappo, Raphael, and C. J. Jung, to G. D. Searle & Co. 17-(Lower aliphatic mono-unsaturated hydrocarbon)-17β-hydroxy-2-oxaestra-4,9(10)-dien-3-ones, 11-dehydro compounds corresponding and esters thereof. 3,405,140, 10–8–68, Cl. 260—343.2.

Pappo, Raphael, and C. J. Jung, to G. D. Searle & Co. (Optionally 17-alkylated) 17-oxygenated 2-oxaestra-4,9(10)-dien-3-ones and $\Delta^{4,9(10),11}$ compounds corresponding. 3,405,141, 10–8–68, Cl. 260—343.2.

Pappo, Raphael, and C. J. Jung, to G. D. Searle & Co. 17β-Hydroxy-2-oxaestra-5(10)8(11)-dien-3-one, 17α-(hydrocarbon-substituted) derivatives corresponding and esters thereof. 3,405,142, 10–8–68, Cl. 260—343.2.

Papst, Hermann. Ventilator. 3,362,627, 1–9–68, Cl. 230—117.

Papst, Hermann. Clutch control apparatus. 3,372,602, 3–12–68, Cl. 74—339.

Papst, Hermann. Fuel injection and ignition device for internal combustion engines. 3,373,724, 3–19–68, Cl. 123—32.

Papst, Hermann. Spray nozzle. 3,373,727, 3–19–68, Cl. 123—139.

Papst, Hermann. Piston ring for internal combustion engines. 3,404,606, 10–8–68, Cl. 92—169.

Papst, Hermann. Boundary layer control. 3,410,510, 11–12–68, Cl. 244—130.

Paquette, Elmer G., and D. G. Hollinbeck, to Joseph Bancroft & Sons Co. Apparatus for imparting helical crimp to yarn. 3,362,150, 1–9–68, Cl. 57—34.

Paquette, Leo A., to The Upjohn Co. Polycyclicaminosulfones. 3,372,161, 3–5–68, Cl. 260—247.1.

Paquette, Leo A., to The Upjohn Co. 7-Dimethylamino-3,4,5,6,7,8-hexahydro-2(1H)-azocinones. 3,410,845, 11–12–68, Cl. 260—239.3.

Paquette, Leo A., to The Upjohn Co. 7-dimethylamino-5,6,7,8-tetrahydro-2(1H)-azocinones. 3,410,846, 11–12–68, Cl. 260—239.3.

Paquette, Leo A., to The Upjohn Co. Process for preparing 9,9-diemethyl-4-oxo-3 aza-9 azoniabicyclo/4.2.1/-nonane salts. 3,415,815, 12–10–68, Cl. 260—239.3.

Paquin, Lionil. Multi-purpose lathe. 3,410,326, 11–12–68, Cl. 144—1.

Paquin, Roger L.: *See*—
Stoner, Arthur M., Paquin, and Schneider. 3,365,911.

Paquin, Roger L., to Glacier Ware, Inc. Refrigerated tumbler. 3,360,957, 1–2–68, Cl. 62—457.

Paquin, Roger L., to Glacier Ware, Inc. Supreme service assembly. 3,413,820, 12–3–68, Cl. 62—371.

Par Ltd.: *See*—
Morrow, Robert D., and Hegeman. 3,405,232.

Para, Francesco F.: *See*—
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Parachute, G. Q., Co. Ltd.: *See*—
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Paracuellos, Jean-Charles, to Office di Radiodiffusion-Television Francaise. Equipment for the production of cinematographic films in the form of animated cartoons. 3,390,939, 7–2–68, Cl. 352—87.

Paradis, Joseph R.: *See*—
Des Ormeaux, John A., and Paradis. 3,404,646.

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Paragon Bridge & Steel Co.: *See*—
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Parametrics, Inc.: *See*—
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Sellers, Francis B., and Ziegler. 3,408,496.

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Parapetti, Nicolas. Diamond dressing device. 3,378,001, 4–16–68, Cl. 125—11.

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Paraskewik, William, to United States of America, Navy. Store handling apparatus. 3,402,904, 9–24–68, Cl. 248—119.

Parcels, Clarence W., to S. C. Johnson & Son, Inc. Display rack. 3,372,812, 3–12–68, Cl. 211—49.

Pardell, Milton K., to General Motors Corp. Iridium heading process. 3,399,290, 8–27–68, Cl. 219—150.

Parker, Bruce H., Jr. Line justifying device. 3,398,670, 8–27–68, Cl. 95—85.

Pardo, Carlos, to TamMet International. Method of making metal alloys, particularly ferrotitanium alloy. 3,410,679, 11–12–68, Cl. 75—129.

Pardue, George H.: *See*—
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Cubberly, Walter E., Jr., and Pardue. 3,381,267.

Pardue, George H., to Schlumberger Technology Corp. Well logging tool. 3,364,463, 1–16–68, Cl. 340—17.

Paredes, Candelario: *See*—
Atkinson, William G., Jr., De Soto, Landis, and Paredes. 3,404,259.

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Parent, John W.: *See*—
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Parenti, Frank V., G. R. Spaleny, and C. P. Bowman, to The Standard Register Co. Apparatus for applying information to a business form or the like. 3,390,629, 7–2–68, Cl. 101—19.

Parex Corp. Ltd.: *See*—
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Parfomak, Walter: *See*—
Molnar, Robert J., and Parfomak. 3,363,112.
Molnar, Robert J., and Parfomak. 3,375,508.

Parham, Fred M., to E. I. du Pont de Nemours and Co. Polyesters of decahydro-bis-(hydroxymethyl)-naphtalene. 3,361,716, 1–2–68, Cl. 260—47.

Parikh, Gokaldas C.: *See*—
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Parikh, Niranjan M., to United States of America, Army. Zone refinement of liquid-phase sintered tungsten alloys. 3,372,024, 3–5–68, Cl. 75—84.

Parikh, Niranjan M., and R. L. Hodson, to International Nickel Co., Inc. Process for producing nickel-coated steel. 3,362,838, 1–9–68, Cl. 106—162.

Parilla, Arthur R., R. C. Knauer, and R. V. Daigle, to Dynetics, Inc. Winding apparatus for forming filament wound objects. 3,400,901, 9–10–68, Cl. 242—158.

Parilla, Daniel. Reference pressure comparing barometer. 3,400,589, 9–10–68, Cl. 73—409.

Parille, Donald R., to United Aircraft Corp. Core location in precision casting. 3,401,738, 9–17–68, Cl. 164—353.

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De Groot, Loren E., Parini, Van Koevering, Roth, and Racy. 3,375,521.

Paris, Jacques M.: *See*—
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Paris, Maurice H.: *See*—
Boots, Ira J., Metz, and Paris. 3,407,463.

Paris, Rene A.: *See*—
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Pariser, Jack J.: *See*—
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Pariser, Jack J., to Hughes Aircraft Co. Computer controlled data transferring buffer. 3,417,374, 12–17–68, Cl. 340—172.5.

Pariser, Rudolph, and W. K. Witsiepe, to E. I. du Pont de Nemours and Co. Process for preparing polyurethanes. 3,385,833, 5–28–68, Cl. 260—77.5.

Parish, Albert A. Bootjack. 3,380,634, 4–30–68, Cl. 223—116.

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Parish, Clyde E., and K. W. Urmy, to Signal Oil and Gas Co. Preparation of carbonyl sulfide. 3,416,893, 12–17–68, Cl. 23—203.

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Parish, Norman A., to Rotax Ltd. Ignition systems. 3,406,314, 10–15–68, Cl. 315—209.

Parish, Norman A., and K. D. Collins, to Rotax Ltd. Spark ignition apparatus. 3,383,553, 5–14–68, Cl. 315—183.

Parisien, Rudolph E. Chain link fabric fastener. 3,371,911, 3–5–68, Cl. 256—47.

Parisoe, Wilbert, to Zenith Radio Corp. Electrical relay. 3,388,360, 6–11–68, Cl. 335—268.

Parisse, Louis L., to Koppers Co., Inc. Process for separation of alkyl phenols by azeotropic distillation with an alkane diol. 3,392,090, 7-9-68, Cl. 203—64.

Parisse, Louis L., to Koppers Co., Inc. Process for separation of alkyl phenols by azeotropic distillation with a nonpolar branched alkene. 3,397,124, 8-13-68, Cl. 203—52.

Parizh, Boris M.: *See*—
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Park Chemical Co.: *See*—
Fox, Charles R. 3,363,043.

Park, Dan M.: *See*—
Stavenau, Harold L., and Park. Re. 26,508.

Park, Donald M., to The Seeburg Corp. Photo conductor potential divider. 3,363,106, 1-9-68, Cl. 250—209.

Park, Donald M., deceased, by M. S. Park, executrix, to The Seeburg Corp. Tremolo-vibrato circuitry for use with a simulated moving sound source or the like. 3,378,623, 4-16-68, Cl. 84—1.18.

Park, Donald M., deceased, by Mary S., to The Seeburg Corp. Sequential connection of speakers for moving sound source simulation or the like. 3,398,230, 8-20-68, Cl. 84—1.18.

Park, Donald M., and R. H. Campbell, Jr., to The Seeburg Corp. Musical instrument. 3,383,452, 5-14-68, Cl. 84—1.03.

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Kolaian, Jack H., and Park. 3,411,579.
Kolaian, Jack H., and Park. 3,417,017.

Park, Jack H., to Texaco Inc. Drilling fluid composition. 3,370,004, 2-20-68, Cl. 252—8.5.

Park, Jerald L., and N. L. Lagasse, to Avco Corp. Lubricating arrangement for dynamic self-contained minimum envelope face-type seal. 3,379,443, 4-23-68, Cl. 277—40.

Park, Jerald L., and C. Rossetti, to Avco Corp. Ball recirculating mechanism for ball screw and nut actuators. 3,386,307, 6-4-68, Cl. 74—459.

Park, Jerald L., and N. L. Lagasse, to Avco Corp. Face-type shaft seal with means for optimizing face seal loading at various speeds. 3,402,937, 9-24-68, Cl. 277—41.

Park, Mary S.: *See*—
Park, Donald M. 3,378,623.
Park, Donald M., and Mary S. 3,398,230.

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Domizi, Dante. 3,379,853.
Kasper, Robert J. 3,379,962.
Kauffman, Harry D. 3,375,432.
Porterfield, Cecil P., and Kappenhagen. 3,375,468.
Porterfield, Cecil P., and Welt. 3,376,476.
Shaw, Robert L. 3,389,238.
Sorensen, Phillips N. 3,410,978.

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Park, Robert H. Pressure transmitter. 3,365,950, 1-30-68, Cl. 73—419.

Park, Robert H. Container closure. 3,406,875, 10-22-68, Cl. 222—151.

Park, Vernon K.: *See*—
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Park, William R. R.: *See*—
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Parkaire Engineering, Co.: *See*—
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Parkan, Inc.: *See*—
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Parke, Davis & Co.: *See*—
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Creager, Paul, Jr. 3,416,520.
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Creager, Paul, Jr., Zinck, and Pereny. 3,364,928.
Creger, Paul L. 3,413,288.
Culbertson, Townley P. 3,402,172.
Doub, Leonard. 3,418,320.
Doub, Leonard, and Krolls. 3,375,247.
Elslager, Edward F., and Capps. 3,419,584.
Fleming, Robert W., and Hauck. 3,412,154.
Haskell, Theodore H., and Hanessian. 3,405,218.
L'Italien, Yvon J. 3,361,817.
Meier, William G. 3,416,524.
Nordin, Ivan C. 3,419,623.
Oglevee, Harold J., and Mottin. 3,399,803.
Rebstock, Mildred C. 3,405,165.
Scherrer, Robert A. 3,369,042.
Scherrer, Robert A. 3,390,172.
Scherrer, Robert A. 3,413,313.
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Westland, Roger D. 3,408,381.
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Yeremian, George J. 3,416,523.
Yeremian, George J. 3,416,525.
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Parke, Franklin E.: *See*—
Ross, Hugh, and Parke. 3,385,596.

Parke, Robert E., and M. R. Russinik, to Gray Company, Inc. Safety device for airless spray guns. 3,362,644, 1-9-68, Cl. 239—142.

Parke, Thomas A., to Richards Structural Steel Co., Ltd. Distribution of lubricant and compressed air in a mulling machine. 3,380,668, 4-30-68, Cl. 241—38.

Parker, Angus R., and E. W. Rudolph. Method of making a joint. 3,406,444, 10-22-68, Cl. 29—482.

Parker, Arnold P., Jr., and J. Cooper, to Ciba Corp. Multiple chamber pressurized aerosol container. 3,366,279, 1-30-68, Cl. 222—135.

Parker, Bernard, and L. Weisbord, to General Precision, Inc. Free-rotor gyro. 3,417,627, 12-24-68, Cl. 74—5.6.

Parker, Buster A. Pressure pad with independent cells. 3,394,415, 7-30-68, Cl. 5—348.

Parker, Carroll C.: *See*—
Davidson, Ralph L., and Parker. 3,396,686.

Parker, Charles O., to Rohm & Haas Co. Process for the preparation of dinitroacetonitrile and salts. 3,415,867, 12-10-68, Cl. 260—465.1.

Parker, Delbert R., to Westinghouse Electric Corp. Magnetic drive lightning arrester having a variably spaced arcing gap. 3,363,135, 1-9-68, Cl. 313—231.

Parker, Donald W.: *See*—
Busker, Wilbur H., and Parker. 3,375,979.

Parker, Earl E.: *See*—
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Parker, Earl E., to PPG Industries, Inc. Chemical-resistant polyester resins based upon dicyclohexanols and neopentyl glycol-type diols. 3,419,637, 12-31-68, Cl. 260—871.

Parker, Earl E., and B. Udvarnoki, Jr., to Pittsburgh Plate Glass Co. Novel accelerator for unsaturated polyester resins. 3,367,994, 2-6-68, Cl. 260—864.

Parker, Earl R.: *See*—
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Zackay, Victor F., Parker, and Ravi. 3,413,166.

Parker, Elmer K., and M. E. Schumann, Jr., to Parker Instrument Corp. Pointer lock for electrical indicating instruments. 3,412,332, 11-19-68, Cl. 324—157.

Parker, Emery. Diorganotin di (carboxy-alkylene mono- or dithiolcarbonates). 3,370,075, 2-20-68, Cl. 260—429.7.

Parker, Eugene F. Roping saddle horn assembly. 3,388,530, 6-18-68, Cl. 54—44.

Parker Feeders, Inc.: *See*—
Parker, Shirley L. 3,401,889.

Parker, Frank A., and J. L. Killoran, deceased (by I. A. B. Killoran, sole heir and executrix), to Chemcell Ltd. Preparation of filter tow. 3,408,713, 11-5-68, Cl. 28—1.

Parker, Gary L.: *See*—
Webb, James E. 3,364,311.

Parker, George W., to General Motors Corp. Connector means. 3,365,694, 1-23-68, Cl. 339—17.

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Parker, Gregory H., and E. A. Miller, to Texas Instruments Inc. Composite electrical bus bar. 3,402,254, 9-17-68, Cl. 174—133.

Parker-Hannifin Corp.: *See*—
Balogh, Stephen. 3,407,936.
Berninger, John F., Davis, and Lanman. 3,382,770.
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Elbogen, James S. 3,415,273.
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Papenguth, Richard P. 3,368,821.
Reimer, Leonard H., and Prijatel. 3,416,459.
Schmiel, Herbert H., and Hajma. 3,373,843.
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Wilson, Frank R. 3,380,285.
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Ziherl, Frank A. 3,400,827.
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Parker, Harold N., and R. A. Perrine, to Well Sentry Inc. Frequency decoding system. 3,395,390, 7-30-68, Cl. 340—171.

Parker, Harry W., to Phillips Petroleum Co. Drilling fluids having enhanced lubricating properties. 3,372,112, 3-5-68, Cl. 252—8.5.

Parker, Harry W., to Phillips Petroleum Co. Establishing an inverse burning front without spontaneous ignition. 3,375,871, 4-2-68, Cl. 166—11.

Parker, Harry W., to Phillips Petroleum Co. Drilling fluids and additives therefor. 3,377,276, 4-9-68, Cl. 252—8.5.

Parker, Harry W., to Phillips Petroleum Co. Aqueous fluid drive oil recovery process. 3,384,171, 5-21-68, Cl. 166—9.

Parker, Harry W., to Phillips Petroleum Co. Steam flooding oil-bearing limestone strata. 3,405,761, 10-15-68, Cl. 166—11.

Parker, Harry W., and R. F. Meldau, to Phillips Petroleum Co. Emergency control of injection of cooling water into a hot production well. 3,382,923, 5-14-68, Cl. 166—39.

Parker, Harry W., and R. R. Harvey, to Phillips Petroleum Co. Oil recovery process. 3,412,792, 11-26-68, Cl. 166—9.

Parker Instrument Corp.: *See*—
Parker, Elmer K., and Schumann. 3,412,332.

Parker, Jack, to Big Dutchman, Inc. Air inlet for animal houses and the like. 3,385,193, 5-28-68, Cl. 98—40.

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Gibson, James A., and Parker. 3,387,000.
Gibson, James A., Parker, and Grigor. 3,375,259.
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Parker, James B., to United States of America, Navy. Tris (difluoraminomethyl)amine and process of preparation. 3,364,263, 1-16-68, Cl. 260—583.

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Parker, John A.: *See*—
Magnusson, Alan B., and Parker. 3,366,708.

Parker, John B.: *See*—
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Parker, John J.: *See*—
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Parker, John R., to Bowaters United Kingdom Pulp and Paper Mills Ltd. Instrument for the measurment of the roughness of paper. 3,379,050, 4-23-68, Cl. 73—37.

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Anderson, Gerald R., Creed, and Parker. 3,403,769.

Parker-Kalon Corp.: *See*—
Skierski, Edwin J. 3,395,603.
Skierski, Edwin J. 3,398,413.
Skierski, Edwin J. 3,415,154.

Parker, Kenneth B., Jr., to Leeds & Northrup Co. Input-sequencing arrangements for multi-point recorders. 3,396,-404, 8-6-68, Cl. 346—34.

Parker, Konrad, and J. L. Brosilow, to International Battery, Inc. Storage batteries and electrolyte therefor. 3,408,233, 10-29-68, Cl. 136—153.

Parker, Louis W. Axial airgap motors. 3,413,503, 11-26-68, Cl. 310—268.

Parker, Louis W. Axial airgap motors and generators. 3,418,506, 12-24-68, Cl. 310—268.

Parker Mfg. Co.: *See*—
La Pointe, Gabriel M. 3,368,731.
La Pointe, Gabriel M. 3,409,058.

Parker, Marsena R., Jr., to Bell Telephone Laboratories, Inc. Signal dispersion system. 3,387,233, 6-4-68, Cl. 333—30.

Parker, Matthew, to Formmaster Ltd. Intermittent driving mechanism. 3,402,615, 9-24-68, Cl. 74—125.5.

Parker, Matthew, and G. G. Lebeter, to The Forgrove Machinery Co., Ltd. Wrapping machines. 3,418,784, 12-31-68, Cl. 53—122.

Parker, Melvin J.: *See*—
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Parker Metal Goods Co.: *See*—
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Parker, Norman W.: *See*—
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Parker, Norman W., to Motorola, Inc. Color television synchronous demodulator circuit with spurious modulation products elimination. 3,405,229, 10-8-68, Cl. 178—5.4.

Parker, Norman W., to Motorola, Inc. Color television demodulation system. 3,405,230, 10-8-68, Cl. 178—5.4.

Parker, Pace Corp.: *See*—
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Parker, Paul T., and J. A. Hanan, to Esso Research and Engineering Co. Process for preparation of solution butyl rubbers using a major amount of AlR_2X and a minor amount of AlR_2X as catalyst. 3,361,725, 1-2-68, Cl. 260—85.3.

Parker, Paul T., and F. J. Buchmann, to Esso Research and Engineering Co. Stabilizing halogenated copolymers. 3,397,-174, 8-13-68, Cl. 260—45.9.

Parker, Paraque. Baby bed and mechanism for rocking same. 3,378,859, 4-23-68, Cl. 5—109.

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Derbins, William H. 3,418,056.
Green, Homer T. 3,402,008.
Wittnebert, Frederick R., Lawton, and Dyson. 3,416,869.

Parker, Phillip J. Magnetic particle inspection probe with adjustable probe legs and self contained circuitry. 3,378,762, 4-16-68, Cl. 324—38.

Parker, Phillip J. Support apparatus for detecting flaws in ferrous objects by magnetic particle inspection. 3,402,349, 9-17-68, Cl. 324—38.

Parker Products Inc.: *See*—
Halpern, Parker P. 3,401,045.

Parker, Rienzi B.: *See*—
Smith, Walter J., and Parker. 3,368,755.

Parker, Robert H. to A. C. Cars Ltd. Electrically propelled vehicle. 3,392,796, 7-16-68, Cl. 180—26.

Parker, Robert H., B. T. Devlin, and E. H. Purvis, to Sperry Rand Corp. Aircraft autopilot with control wheel steering. 3,386,689, 6-4-68, Cl. 244—77.

Parker, Russel A., to L & F Machine Co. Press. 3,370,526, 2-27-68, Cl. 100—93.

Parker, Russell H. R., to J. Evans & Son (Portsmouth) Ltd. Workholder. 3,385,591, 5-28-68, Cl. 269—59.

Parker, Sam E., to United States of America, Navy. Multi-coupling system with a distribution line. 3,374,446, 3-19-68, Cl. 333—8.

Parker, Shirley L., to Parker Feeders, Inc. Combination gravity bed reservoir and hopper-plus-scatterer. 3,401,889, 9-17-68, Cl. 239—666.

Parker, Sidney A., to Lennox Industries, Inc. Refrigerant reciprocating compressor. 3,385,515, 5-28-68, Cl. 230—232.

Parker, Sidney A., to Lennox Industries, Inc. Crankcase scavenging pump for refrigeration compressor. 3,403,846, 10-1-68, Cl. 230—206.

Parker, Sidney A., to Lennox Industries, Inc. Cylinder and valve assembly. 3,403,847, 10-1-68, Cl. 230—231.

Parker, Sidney G.: *See*—
Johnson, Rowland E., and Parker. 3,374,067.
Sihvonen, Yro T., and Parker. 3,369,159.

Parker, Walter: *See*—
Scragg, Frederick, and Parker. 3,396,523.

Parker, Walter, to Scragg, Ernest & Sons Ltd. Textile apparatus. 3,392,519, 7-16-68, Cl. 57—77.45.

Parker, Walter, to Scragg, Ernest & Sons Ltd. Yarn heating means in textile apparatus. 3,396,524, 8-13-68, Cl. 57—34.

Parker, Walter, and H. W. Lee, to Ernest Scragg & Sons (Holdings) Ltd. Textile apparatus. 3,381,462, 5-7-68, Cl. 57—34.5.

Parker, Wesley A.: *See*—
Holton, James R., Parker, and Sims. 3,415,918.

Parker, Wilfred: *See*—
Hasler, William S., Evans, Dawson and Parker. 3,395,432.

Parker, William B., to Lectromelt Corp. Electric arc furnace having two hearths and interchangeable roofs therefore. 3,379,815, 4-23-68, Cl. 13—2.

Parker, William D.: *See*—
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Parker, William E.: *See*—
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Parker, William H.: *See*—
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Luehrmann, William H., and Parker. 3,369,218.
Luehrmann, William H., and Parker. 3,398,394.

Parker, Winfred E., H. B. Knight, R. E. Koos, and W. C. Ault, to United States of America, Agriculture. Benzhydryl esters of dimer acid. 3,393,214, 7-16-68, Cl. 260—407.

Parkes, Eric, and A. W. Lawrence, to Fordath Engineering Co. Ltd. Continuous process for the coating of particulate material with resin. 3,398,012, 8-20-68, Cl. 117—100.

Parkes, Eric B., to Joseph Lucas (Industries) Ltd. Printed circuit fuses. 3,361,884, 1-2-68, Cl. 200—135.

Parkes, Eric B., to Joseph Lucas Industries Ltd. Flasher unit for operating indicator lamps on a road vehicle. 3,400,-346, 9-3-68, Cl. 335—141.

Parkes, Lincoln J. Mobile suspensory apparatus for crippled household animals. 3,406,661, 10-22-68, Cl. 119—1.

Parkes, Ralph C., and W. J. Henry, to National Drying Machinery Co. Explosion relief wall. 3,370,745, 2-27-68, Cl. 220—89.

Parkey, William D.: *See*—
Smith, Norman B., Richards, Scott, and Parkey. 3,367,-150.

Parkhill, Thomas R.: *See*—
Ross, James A., Maclejowski, and Parkhill. 3,400,334.

Parkin, Alvin. Emergency shutdown operation of recovery boilers. 3,403,642, 10-1-68, Cl. 110—7.

Parkin, Leslie, to United-Carr Inc. Clip for securing an article to an apertured support. 3,379,090, 4-23-68, Cl. 85—80.

Parkin, Leslie, and S. A. Andrews, to United-Carr Inc. Sheet metal nut with resilient cage. 3,373,789, 3-19-68, Cl. 151—41.75.

Parkin, Peter H., to National Research Development Corp. Acoustically controlled closure apparatus. 3,373,526, 3-19-68, Cl. 49—25.

Parkin, Peter H., to Council for Scientific and Industrial Research. Acoustic systems. 3,392,240, 7-9-68, Cl. 179—1.

Parkins, Bertie G.: *See*—
Fuell, Frederick J., Mattos, Fowler, and Parkins. 3,399,-601.

Parkinson, Crosby & Works, Inc.: *See*—
Crosby, Hartzell L., and Parkinson. 3,396,076.

Parkinson, David A.: *See*—
Rowlands, Tom, and Parkinson. 3,391,826.

Parkinson, David H., to Minister of Supply in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Apparatus for the cooling and liquefaction of gases. 3,366,796, 1-30-68, Cl. 250—238.

Parkinson, Graham C., to The L. T. Mart Co. Ltd. Water cooling towers. 3,360,906, 1-2-68, Cl. 55—257.

Parkinson, John R.: *See*—
Crosby, Hartzell L., and Parkinson. 3,396,076.

Parkinson, Norman, J. A. S. Mowat, and M. B. Finlayson, to United Kingdom Atomic Energy Authority. Electrolytic reduction of uranyl solutions. 3,361,651, 1-2-68, Cl. 204—1.5.

Parkinson, Robert E., to United States Steel Corp. Ethylene/vinyl acetate copolymer and cool tar pitch or petroleum pitch composition. 3,361,692, 1-2-68, Cl. 260—28.5.
Parkinson, Robert W., to North American Rockwell Corp. Bandwidth reduction system for reconstituting non-transmitted signals from transmitted signals. 3,366,739, 1-30-68, Cl. 179—15.55.
Parkison, Richard G., and P. J. Klein, to American Standard Inc. Flushing apparatus. 3,386,459, 6-4-68, Cl. 137—216.
Park-Ohio Industries, Inc.: *See*—
Osborn, Harry B., Jr., and Beronius. 3,374,529.
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Parkos, Gerald R.: *See*—
Gyorey, Geza L., Parkos, Roupe, Thompson, and Crowther. 3,385,758.
Parks, Amos D.: *See*—
Daghe, Joseph L., Finley, Parks, and Leopold. 3,410,522.
Parks, Asbury S., to Dover Corp., W. C. Norris Division. Apparatus for metering liquids. 3,365,945, 1-30-68, Cl. 73—223.
Parks, Carl R., to The Goodyear Tire & Rubber Co. Retardation of scorch in rubber compounds containing dicumyl peroxide as the vulcanizing agent. 3,384,613, 5-21-68, Cl. 260—45.9.
Parks-Cramer Co.: *See*—
Black, Robert L., Jr. 3,372,425.
Black, Robert L., Jr. 3,400,423.
Black Robert L., Jr. 3,408,682.
Black, Robert L., Jr., and Lee. 3,360,914.
Seress, George, and Hewitt. 3,374,118.
Parks, John H., to Caterpillar Tractor Co. Multi-plunger engine fuel oil pump. 3,385,221, 5-28-68, Cl. 103—41.
Parks, Lawrence R.: *See*—
Durso, Donald F., Parks, and Goode. 3,393,262.
Parks, Lyle H.: *See*—
Rainwater, Joe H., Beck, and Parks. 3,407,080.
Parks, Noel W.: *See*—
Pierson, Marvin B., and Parks. 3,383,250.
Parks, Robert L.: *See*—
Fumea, Harry J., Jr., and Parks. 3,368,157.
Parks, Sheldon A., and H. J. Naeser, to The B. F. Goodrich Co. Extruded sealing member. 3,360,887, 1-2-68, Cl. 49—490.
Parks, Sheldon A., and H. J. Naeser, to The B. F. Goodrich Co. Extruded sealing member. 3,378,956, 4-23-68, Cl. 49—485.
Parks, Sheldon A., and H. J. Naeser, to The B. F. Goodrich Co. Extrusions having integral portions of different stiffness. 3,378,958, 4-23-68, Cl. 49—489.
Parks, William L., III: *See*—
Jonker, Frederick, and Parks. 3,383,997.
Parks & Woolson Machine Co.: *See*—
Holm, William J. 3,380,130.
Holm, William J. 3,400,624.
Holm, William J. 3,409,955.
Parkman, William C. Fish stringing device. 3,371,830, 3-5-68, Cl. 224—7.
Parkway Products, Inc.: *See*—
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Parkyn, Derek J.: *See*—
Baldwin, John L. E., and Parkyn. 3,375,326.
Parkyn, John M., to Marconi Instruments Ltd. Wide frequency range signal generators including a number of alternatively utilized oscillators. 3,413,566, 11-26-68, Cl. 331—49.
Parlanti, Theodora N. Method and means for making a lined garment. 3,406,407, 10-22-68, Cl. 2—243.
Parlin, David B., and P. B. Mitchell, to Bigelow-Sanford, Inc. Tufted carpet and non-woven backing fabric therefor. 3,394,043, 7-23-68, Cl. 161—67.
Parlour, Brien M.: *See*—
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Parmater, Lee W., Cain, Weissart, and J. Q. Parmater. 3,400,579.
Parmater, Lee W., R. M. Cain, L. J. Weissert, and J. Q. Parmater, to Kal-Equip Co. Compression test apparatus. 3,400,579, 9-10-68, Cl. 73—117.3.
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Falk, James B., and Parmelee. 3,368,496.
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Parmelee, Richard L.: *See*—
Hasselbeck, Richard J., and Parmelee. 3,367,538.
Parmentier, Alfred H. Multiple element, horizontally rotating filter pans having pivoting bottoms. 3,373,873, 3-19-68, Cl. 210—236.
Parmentier, Guido: *See*—
Vanderhaeghe, Hubert, Claesen, Van Dijck, and Parmentier. 3,385,847.
Parmet, Allen: *See*—
Longo, Paul P., and Parmet. 3,387,886.
Parnell, Paul E. Explosively actuated device for high pressure environment. 3,393,605, 7-23-68, Cl. 89—1.
Parnell, Roger M., to The Bunker-Ramo Corp. Cable connector. 3,375,481, 3-26-68, Cl. 339—94.
Parola, Jean: *See*—
Grolet, Pierre, Moulin, and Parola. 3,370,656.
Parquet, Donald J., to Deere & Co. Hydraulic control system. 3,381,587, 5-7-68, Cl. 91—420.
Parr, Albert W. Crossover faucet. 3,416,568, 12-17-68, Cl. 137—606.
Parr, Douglas C., to Flugel and Co. (London) Ltd. Ice dispensing and vending machine. 3,393,531, 7-23-68, Cl. 62—353.
Parr, Edward L. Motor actuated by air. 3,360,926, 1-2-68, Cl. 60—22.
Parr, Edward L. Anchor for a chain. 3,375,557, 4-2-68, Cl. 24—116.
Parr, Edward L., to W. L. Thompson. One-way roller barrier for parking lot. 3,376,667, 4-9-68, Cl. 49—49.
Parr, Edward L., to Wendell L. Thompson. Four-way valve. 3,388,720, 6-18-68, Cl. 137—625.48.
Parr, Edward L., to Wendell L. Thompson. Element having continuous thread, portion of thread being longitudinally variable in length. 3,405,751, 10-15-68, Cl. 151—14.
Parr, Edward L., to W. L. Thompson. Variable pitch propeller for boat. 3,412,808, 11-26-68, Cl. 170—160.31.
Parr, James F., Jr.: *See*—
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Parratt, Lyman G., T. R. Cuykendall, K. I. Greisen, L. T. Finlayson, and F. Reines, to United States of America, Atomic Energy Commission. Magnetic focusing of X-ray tubes and system for operating. 3,374,355, 3-19-68, Cl. 250—99.
Parrella, Alfred T., and G. R. Gagliardi, to Farrel Corp. Roll grinding and gaging apparatus. 3,391,497, 7-9-68, Cl. 51—165.
Parrent, George B., Jr., to Technical Operations, Inc. Photographic processing control. 3,388,652, 6-18-68, Cl. 95—59.
Parrent, Michael K.: *See*—
Bateman, Richard M., and Parrent. 3,400,096.
Parrilla, Salvatore C. Balloon hat. 3,360,801, 1-2-68, Cl. 2-199.
Parris, Harold C., to North American Aviation, Inc. Nuclear reactor heat transfer system. 3,374,149, 3-19-68, Cl. 176—65.
Parris, Horace T. Wall surface scarifying and preparing tool. 3,389,466, 6-25-68, Cl. 30—366.
Parris, Warren M., to Titanium Metals Corp. of America. Annealing titanium wire. 3,394,036, 7-23-68, Cl. 148—11.5.
Parris, Warren M., to Titanium Metals Corp. Titanium base alloy. 3,409,428, 11-5-68, Cl. 75—175.5.
Parrish, Allen S., Jr., to Oldberg Mfg. Co. Shock absorber. 3,378,110, 4-16-68, Cl. 188—88.
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Parrish, David R., to Pan American Petroleum Corp. Recovery of high viscosity oils by conduction heating. 3,366,176, 1-30-68, Cl. 166—11.
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Parrish, Edward W.: *See*—
Barows, Arthur G., Parrish, and Miner. 3,419,084.
Parrish, Esperanza G., to E. I. du Pont de Nemours and Co. Neutralization of hydrophilic gel fibers of a cellulose derivative. 3,419,345, 12-31-68, Cl. 8—137.5.
Parrish, Esperanza G., and J. Farago, to E. I. du Pont de Nemours and Co. Process for producing microporous polyurethane fibrids. 3,385,916, 5-28-68, Cl. 264—50.
Parrish, Esther: *See*—
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Pawlikowski, Fred F., and R. M. Sindelar, to Tribune Co. Newspaper jogger mechanism. 3,361,426, 1-2-68, Cl. 271—89.

Pawlikowski, Stanley L., D. L. Say, and H. E. Smithgall, to Sylvania Electric Products Inc. Cathode supported by integral, inwardly extending legs with vertically-turned ends fastened to inwardly oriented end portions of support leads. 3,405,307, 10-8-68, Cl. 313—278.

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Sterling, George B., and Pawloski. 3,862,991.

Pawloski, Chester E., to The Dow Chemical Co. Preparation of ar-halophenethyl alcohols. 3,372,202, 3-5-68, Cl. 260—618.

Pawsat, Ruben L., to Wald Mfg. Co., Inc. Basket attachment for bicycles. 3,414,223, 12-3-68, Cl. 248—230.

Paxinos, Hercules, to Westinghouse Electric Corp. Clock radio lamp combination. 3,368,067, 2-6-68, Cl. 240—2.

Paxton, Allen D., and J. H. Holmes, to Kwik Lok Corp. Bag closing machine. 3,370,396, 2-27-68, Cl. 53—138.

Paxton, Floyd G. Method of and apparatus for making a bag enclosing a re-closing facility. 3,381,442, 5-7-68, Cl. 53—28.

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Paxton, Jerre H. Flexible plastic bag stack, individual bags of which are provided with respectively echeloned filamentary closure facilities. 3,417,863, 12-24-68, Cl. 206—57.

Paxton, Jerre H. Flexible plastic bag stack, individual bags of which are provided with respectively echeloned sheet plastic closure facilities. 3,417,864, 12-24-68, Cl. 206—57.

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Payant, Donald A.: *See*—
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Payerle, Frank S., to Morse Controls Inc. End fittings for push-pull cable cores. 3,395,429, 8-6-68, Cl. 24—125.

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Payette, Lionel J., to General Electric Co. Coating compositions comprising a mixture of (1) a phenol-formaldehyde resin, (2) a melamine-aldehyde resin, (3) a polyisocyanate and (4) a blend of high and low molecular weight polyvinyl formal resins. 3,400,172, 9-3-68, Cl. 260—839.

Payette, Lionel J., to General Electric Co. Coating compositions comprising a mixture of (1) a phenolformaldehyde resin, (2) a melamine-aldehyde resin; (3) a polyisocyanate and (4) a blend of high and low molecular weight polyvinyl formal resins. 3,404,197, 10-1-68, Cl. 260—839.

Payment, Walter R., to W. R. Grace & Co. Process of producing a silicate-carbon complex. 3,397,151, 8–13–68, Cl. 252—378.
Payne, Calvin L., Jr., to Tudor Metal Products Corp. Game board utilizing different windowed cards and spinner therefor. 3,399,893, 9–3–68, Cl. 273—94.
Payne, Charles C., W. R. Edwards, and C. L. Freeman, to United States of America, Navy. Folding cone sonobuoy delivery system. 3,368,480, 2–13–68, Cl. 102—7.
Payne, Clifford M.: *See*—
Nickerson, John D., and Payne. 3,408,161.
Payne, Donald H.: *See*—
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Payne, Harold J. W., to H. H. Robertson Co. Reinforced concrete cavity floor construction. 3,363,375, 1–16–68, Cl. 52—220.
Payne, Harold J. W., and C. E. Dyer, to H. H. Robertson Co. Building sheathing elements. 3,399,503, 9–3–68, Cl. 52—406.
Payne, Ivan S., to Lansing Bagnall Ltd. Control system for regulating current pulses to battery powered electric motors. 3,374,412, 3–19–68, Cl. 318—341.
Payne, Ivan S., to Lansing Bagnall Ltd. Plug and socket for the mounting of an assembly of electrical components. 3,396,313, 8–6–68, Cl. 317—101.
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Payne, Oscar V., to Crompton & Knowles Corp. Looms operating with multi-color stationary weft supplies. 3,376,900, 4–9–68, Cl. 139—122.
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Payne, Wesley J., and E. R. Campagna, to Westinghouse Electric Corp. Multi-purpose electrode for electron discharge devices. 3,405,306, 10–8–68, Cl. 313—239.
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Payne, William H., and R. E. Henry, to Dresser Industries, Inc. Expansion engine. 3,394,633, 7–30–68, Cl. 92—144.
Payne, William H., and R. E. Henry, to Dresser Industries, Inc. Valve assembly for engine. 3,402,913, 9–24–68, Cl. 251—63.6.
Payne, William L., to The Dexter Corp. Catalyzed polyepoxide-anhydride resin systems. 3,412,046, 11–19–68, Cl. 260—2.
Payne, Willie L., to A. W. Perdue & Son, Inc. Apparatus for extracting oil from soybeans. 3,395,806, 8–6–68, Cl. 210—345.
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Paynter, George O. C.: *See*—
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Kielsmeier, Elwood W., Kasbaum, Paynter, and Anderson. 3,404,430.
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Peabody, Earl P., to General Electric Co. Electrostatic loudspeaker. 3,389,226, 6–18–68, Cl. 179—111.
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Peace, James B., to Acheson Industries, Inc. Solid lubricant and pigment dispersions. 3,384,581, 5–21–68, Cl. 252—29.
Peacock, David H., to Versatile Fillings (W.A.S.) Ltd. Frameworks. 3,407,561, 10–29–68, Cl. 52—656.
Peacock, Dixon W., to Phillips Petroleum Co. Esters of tall oil pitch and polyoxyethylene compounds and their use as drilling fluid additives. 3,379,708, 4–23–68, Cl. 260—97.5.
Peacock, Dixon W., and R. B. Needham, to Phillips Petroleum Co. In situ thermal recovery of oil from an oil shale. 3,400,762, 9–10–68, Cl. 166—11.
Peacock, Glenn S., to Union Carbide Corp. Cables and process for producing electrical insulation therefor. 3,404,080, 10–1–68, Cl. 204—181.
Peacock, Glenn S., and W. H. Joyce, to Union Carbide Corp. Low density polyethylene containing two high density polyethylenes. 3,381,060, 4–30–68, Cl. 260—897.
Peacock, John, and B. Harris, to British Titan Products Co. Ltd. Vapor phase oxidation of metal halides to form metal oxides of pigmentary size and apparatus for use in association therewith. 3,385,665, 5–28–68, Cl. 23—202.
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Johnston, Edward J., and Peacock. 3,402,533.
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Peacock, Reginald T. Plumb bob. 3,405,450, 10–15–68, Cl. 33—217.
Peak, Douglas A., K. J. Nichol, and G. L. M. Harmer, to Boots Pure Drug Co., Ltd. 2-cyclobutylamino-1-(3,4-dihydroxyphenyl)-ethanol and the salts thereof. 3,365,496, 1–23–68, Cl. 260—570.6.
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Sennewald, Kurt, Bender, Gehrmann, Kallrath, Peantek, Schallus, Stephan, and Strie. 3,377,402.
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Pearce, Bert L., and C. E. Kelch, to FMC Corp. Drive chain tensioning apparatus. 3,407,674, 10–29–68, Cl. 74—242.11.
Pearce, Edwin S., to Ayrshire Collieries Corp. Journal lubricator. 3,397,018, 8–13–68, Cl. 308—88.
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Pearce, Lawrence E. Magnetically attractable golfing target and ball. 3,404,892, 10–8–68, Cl. 273—181.
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Pearce, Thomas H., to National-Standard Co. Tire beads and methods of making same. 3,372,894, 3–12–68, Cl. 245—1.5.
Pearce, Thomas J., to Swift & Co. Method and apparatus for cleaning horizontal rotary filters of the tilting cell type. 3,397,783, 8–20–68, Cl. 210—77.
Pearce, Thomas H., and L. C. Frazier, to National-Standard Co. Methods for building pneumatic tires. 3,414,446, 12–3–68, Cl. 156—128.
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Pearl, Curtis F., to Electrovert, Inc. Cable tie with two metallic pawls. 3,397,430, 8–20–68, Cl. 24—16.
Pearl, David L., J. G. Waller, and B. P. Head, Jr., to Kennesaw Plastic Co. Egg carton and label. 3,396,895, 8–13–68 Cl. 229—2.5.
Pearl, Donald C., to Canteen Corp. Dry product storing and dispensing apparatus. 3,400,861, 9–10–68, Cl. 222—227.
Pearl, Judea, to Radio Corp. of America. Cryogenic heat pump including magnetic means for moving a normal zone along a superconductive rod. 3,393,526, 7–23–68, Cl. 62—3.
Pearl, Judea, to Radio Corp. of America. Radiation sensitive optical logic element using photochromic layers. 3,402,-300, 9–17–68, Cl. 250—220.
Pearl, Judea, to Radio Corp. of America. Motors and generators employing superconductors. 3,402,307, 9–17–68, Cl. 310—10.
Pearlman, Alan R., to Nexus Research Laboratory Inc. Logarithmic function generator. 3,369,128, 2–13–68, Cl. 307—229.
Pearlman, Edwin. Foldable utility table. 3,394,666, 7–30–68, Cl. 108—129.
Pearlman, Lester S., to General Precision Inc. Vertical antenna with inflatable support and transmission line feed. 3,380,059, 4–23–68, Cl. 343—829.
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Pearne, Frank S.: *See*—
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Pearne and Lacy Machine Co., Inc.: *See*—
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Pears, Gordon E. A., and A. Pajaczkowski, to Imperial Chemical Industries Ltd. Polymerising vinyl chloride. 3,373,150, 3-12-68, Cl. 260—92.8.

Pearsall, Cortland S., and R. T. Wimber, to Varian Associates. High frequency electron discharge devices and thermionic cathodes having improved (CVD) refractory insulation coated heater wires. 3,372,297, 3-5-68, Cl. 313—337.

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Pearsall, Thomas J.: *See*—
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Pearse, James N., to Allen-Bradley Co. Capacitor discharge operated relay flip-flop. 3,365,625, 1-23-68, Cl. 317—151.

Pearse, James N., to Allen-Bradley Co. Relay flip-flop. 3,370,206, 2-20-68, Cl. 317—140.

Pearse, James N., to Allen-Bradley Co. Relay binary for receiving a mechanical input. 3,387,185, 6-4-68, Cl. 317—123.

Pearse, James N., to Allen-Bradley Co. Relay flip-flop utilizing two relays. 3,393,351, 7-16-68, Cl. 317—137.

Pearse, James N., to Allen-Bradley Co. Relay flip-flop employing multiple magnetic flux sources. 3,413,526, 11-26-68, Cl. 317—155.5.

Pearse, James N., and J. C. Mayer, to Allen-Bradley Co. Operating means for pushbutton switches and the like having magnetically operable contacts. 3,403,363, 9-24-68, Cl. 335—205.

Pearse, James N., P. R. Dykstra, and J. C. Mayer, to Allen-Bradley Co. Timer. 3,407,312, 10-22-68, Cl. 307—141.

Pearse, John P. Windshield wiper. 3,387,316, 6-11-68, Cl. 15—250.36.

Pease, Lionel, to T. W. Secrest, trustee of the Creditors Committee of Mill Equipment. Feed table. 3,386,564, 6-4-68, Cl. 198—162.

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Hardy, Derek J., and Pearson. 3,375,895.

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Pearson, August G. Bath tub seat. 3,389,408, 6-25-68, Cl. 4—185.

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Pearson, Harry F., to Pacific Power & Light Co. Anode for cathodic protection. 3,391,072, 7-2-68, Cl. 204—197.

Pearson, John, to The British Iron and Steel Research Association. Manufacture of elongate articles. 3,416,222, 12-17-68, Cl. 29—528.

Pearson, John, to United States of America, Navy. Explosive welding. 3,417,455, 12-24-68, Cl. 29—470.1.

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Pearson, John H.: *See*—
Maykuth, Daniel J., Bergeron, and Pearson. 3,399,981.

Pearson, John H. Method and apparatus for handling urban shopper traffic. 3,405,612, 10-15-68, Cl. 94—1.

Pearson, Kenneth C., to Signode Corp. Machine for assembling strips of fasteners and method of assembling. 3,401,072, 9-10-68, Cl. 156—250.

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Pearson, Raymond H., to Whitehall Electronics Corp. of the First Bank & Trust Building. Means for variably controlling the buoyancy of a seismic detection streamer. 3,371,739, 3-5-68, Cl. 181—.5.

Pearson, Reinhold A. Label machine. 3,360,843, 1-2-68, Cl. 29—208.

Pearson, Reinhold A. Case packing machine. 3,383,833, 5-21-68, Cl. 53—247.

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Yungblut, Charles W., Wright, and Peart. 3,373,396.

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Pease, John W. Tuner for stringed musical instruments. 3,405,590, 10-15-68, Cl. 84—458.

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Peberdy, Roland, to The Bentley Engineering Co., Ltd. Knitting of tubular articles on circular knitting machines. 3,402,575 9-24-68, Cl. 66—107.

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Pecci, Giorgio, and V. Ghisolfi, to Mossi & Ghisolfi Contenitori Italia S.p.A. Container resistant to deformation due to variations in the volume of the contents thereof. 3,394,840, 7-30-68, Cl. 220—68.

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Chambran, Jacques. 3,372,106.
Chambran, Jacques. 3,391,074.
Chevigny, Raymond, Richaud, and Develay. 3,391,033.
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Peck, Curtis G. Polishing wheel. 3,377,753, 4-16-68, Cl. 51—337.

Peck, David W., and L. W. Newton, to Union Carbide Corp. Production of carboxylic acids in the presence of pyridine. 3,383,398, 5-14-68, Cl. 260—413.

Peck, John H., and C. W. Musser, to United States of America, Army. Accessory mounting means. 3,368,454, 2-13-68, Cl. 89—14.

Peck, Norman D., D. M. Saling, and T. C. Smith, to United States of America, Navy. Method of echo ranging. 3,383,649, 5-14-68, Cl. 340—3.

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Pederson, Halvard J. Attachment for injection apparatus. 3,400,715, 9–10–68, Cl. 128—215.
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Peltz, John R., and C. L. Stoldt, to Sylvania Electric Products. Electrical continuity and short circuit testing device employing illuminated indicators. 3,378,764, 4–16–68, Cl. 324—51.

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Perkins, Porter J., Jr., to United States of America, National Aeronautics and Space Administration. Insulation system. 3,392,864, 7–16–68, Cl. 220—9.
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Thorstensen, Thomas C., Brown, and Pernert. 3,365,266.
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Perolo, Pierre, to Etablissements J. Perolo & Cie, S.A. Valve mechanism in a joint for passing a fluid under elevated pressure. 3,402,740, 9–24–68, Cl. 137—630.14.

Perotto, Pier G., to Ing. C. Olivetti & C., S.p.A. Modular structure for electronic integrated circuits. 3,418,533, 12–24–68, Cl. 317—100.

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Perpetuum-Ebner Fabrik fur Feinmechanik und Elektrotechnik Steidinger & Co. Kom. Ges.: *See*—
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Knopfle, Walter. 3,385,603.

Perr, Herbert. Fabric type fastening means. 3,370,818, 2–27–68, Cl. 248—205.

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Carey, Alfred W., Jr., and Perr. 3,412,717.

Perra, Frank M., to Halliburton Co. Variable Q notched filter. 3,411,098, 11–12–68, Cl. 330—26.

Perras, Philippe: *See*—
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Linguenheld, Louis, and Perras. 3,374,059.

Perraudin, Rolland, C. Perrin, and G. Seris, to L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude. Method for the production of a high-porosity lime-silica porous body. 3,406,030, 10–15–68, Cl. 106—86.

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Perret, Jean C., to Compagnie Francaise d'Etudes et de Construction Technip. Method and apparatus for the cooling and low temperature liquefaction of gaseous mixtures. 3,364,685, 1–23–68, Cl. 62—9.

Perret, Marcel A., to Chas. Pfizer & Co., Inc. Meat flavoring compositions. 3,365,306, 1–23–68, Cl. 99—140.

Perri, John A., and J. Riseman, to International Business Machines Corp. Objects provided with protective coverings. 3,415,680, 12–10–68, Cl. 117—212.

Perrill, Harlan K. Pin tumbler lock. 3,380,268, 4–30–68, Cl. 70—363.

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Perraudin, Rolland, Perrin, and Seris. 3,406,030.

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Perrin, Jack L., and C. A. Tucker, to Towlsaver, Inc. Dispenser for sequentially dispensing rolls of tissue and the like. 3,387,902, 6–11–68, Cl. 312—39.

Perrin, Jack T., to The General Tire & Rubber Co. Formation of laminates of rubber and cord. 3,411,970, 11–19–68, Cl. 156—297.

Perrin, Jean A., to Societe le Carbone Lorraine. Negative electrodes for carbon arc lamps. 3,373,308, 3–12–68, Cl. 313—357.

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Zagorites, Harry A., Perrine, and Lipanovich. 3,366,790.

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Cope, F. Troy, and Perrine. 3,396,951.

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Perrine, Walter E., to Tonalea Enterprises, Inc. Silent firearm. 3,399,597, 9–3–68, Cl. 89—14.

Perrinjaquet, Rober P., to Soprotec. Self-defence apparatus. 3,380,631, 4–30–68, Cl. 222—96.

Perrino, Albert C., to I.C.I./Organics/Inc. Treatment of cellulose textiles with a creaset-proofing agent and with mixtures of N-methylolstearamide and polyethylene. 3,401,006, 9–10–68, Cl. 8—115.6.

Perrino, Frank A., to The Singer Co. Switch devices. 3,383,482, 5–14–68, Cl. 200—61.39.

Perrins, Allen R., and W. C. Bremner, to The Superior Electric Co. Direct current motor control. 3,374,411, 3–19–68, Cl. 318—331.

Perrochat, Jean, to A. Raymond. Molding fastener. 3,378,890, 4–23–68, Cl. 24—73.

Perron, Robert R., to Arthur D. Little, Inc. Electromagnetic reciprocating fluid pump. 3,384,021, 5–21–68, Cl. 103—53.

Perrone, James V. Hydraulic control system. 3,362,207, 1–9–68, Cl. 72—351.

Perrone, James V. Control for die pads, presses and the like. 3,362,210, 1–9–68, Cl. 72—351.

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Perrotta, Agostino V., to Burroughs Wellcome & Co. (U.S.A.) Inc. Method of making 5-anilino uracils. 3,419,558, 12–31–68, Cl. 260—256.4.

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Perry, Barbour L., to United States of America, Navy. Integrated fresnel-rainbow optical landing system. 3,412,377, 11–19–68, Cl. 340—26.

Perry, Bernard D., to United States of America, Air Force. Distributed transducer ultrasonic delay line and coupling apparatus. 3,381,246, 4–30–68, Cl. 333—30.

Perry, Bryan J., Jr., to Kitchen & Perry, Inc. Curing and drying apparatus. 3,387,387, 6–11–68, Cl. 34—208.

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Perry, Charles C., to W. M. Chace Co. Continuous time-other physical variable indicating device. 3,392,584, 7–16–68, Cl. 73—339.

Perry, Charles C., to W. M. Chace Co. Bimetal device for recording temperature extremes. 3,394,592, 7–30–68, Cl. 73—363.7.

Perry, Charles C., to W. M. Chace Co. Electric heater control apparatus utilizing temperature responsive lever. 3,416,112, 12–10–68, Cl. 337—40.

Perry, Charles C. Apparatus for providing multiple liquid jets. 3,416,730, 12–17–68, Cl. 239—61.

Perry, Charles C. Method and apparatus for providing multiple liquid jets. 3,368,760, 2–13–68, Cl. 239—1.

Perry, Charles O. Body having a snap-type fastener. 3,413,752, 12–3–68, Cl. 46—25.

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Perry, Donald D., M. M. Fein, and C. W. Schoenfelder, to United States of America, Atomic Energy Commission. Novel high explosive compositions. 3,378,416, 4–16–68, Cl. 149—22.

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Perry, Edmond S., and W. J. Staudenmayer, to Eastman Kodak Co. Chromatographic sheets. 3,418,158, 12–24–68, Cl. 117—132.

Perry, Edward H., and C. A. Stas, Jr., to American Gas Association Inc. Gas oven system. 3,384,068, 5–21–68, Cl. 126—21.

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Perry, Eugene D., to Perry Mfg., Inc. Adjustable scaffold. 3,396,817, 8–13–68, Cl. 182—187.

Perry, Forbes G. D. B., T. G. Fellows, and J. W. L. Petty, to National Research Development Corp. Continuously variable ratio transmission system and control system therefor. 3,406,597, 10–22–68, Cl. 74—865.

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Perry, James W., W. H. Goettl, E. L. Henderson, and J. M. Goettl: said Perry, Henderson and J. M. Goettl assors. to said W. H. Goettl. Impact machine. 3,376,799, 4–9–68, Cl. 94—49.

Perry, John E., to Union Carbide Corp. Process for the electrodeposition of metals. 3,371,020, 2–27–68, Cl. 204—39.

Perry, John F., and I. Williamson, to Formica International Ltd. Laminated plastics and method of making same. 3,403,-071, 9–24–68, Cl. 161—189.
Perry, John H., and H. A. Dyer, Jr., to Mead Corp. Packaging machine and method. 3,415,033, 12–10–68, Cl. 53—32.
Perry, John T., to Dunlee Corp. Grid controlled X-ray generator with magnetic field. 3,363,131, 1–9–68, Cl. 313—162.
Perry, Kenneth E., to Geodyne Corp. Inductive coupling apparatus for use in coupling to underwater electric systems and the like. 3,374,434, 3–19–68, Cl. 324—127.
Perry, Kenneth E., to EG & G International, Inc. Underwater telemetering apparatus and the like adapted for use with a plurality of measuring stations. 3,392,378, 7–9–68, Cl. 340—204.
Perry, Kenneth E., to EG & G International, Inc. Measurement apparatus employing long-line call-up system. 3,403,-379, 9–24–68, Cl. 340—147.
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Hecker, Arthur C., and Perry. 3,398,115.
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Hecker, Arthur C., Rosenbaum, and Perry. 3,414,532.
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Perry, Robert P., and J. M. Farrell, to Hupp Corp. Air conditioning. 3,390,542, 7–2–68, Cl. 62—262.
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Perry, Roger L., to The Gillette Co. Safety razor. 3,364,571, 1–23–68, Cl. 30—63.
Perry, Stephen C. Automatic journal box oiler. 3,375,902, 4–2–68, Cl. 184—2.
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Perry, Walter J. Rotary shaft mounting. 3,372,604, 3–12–68, Cl. 74—421.
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Perry, Walter M., to Johns-Manville Corp. Culler and feed mechanism for spherical objects. 3,378,139, 4–16–68, Cl. 209—73.
Perry, Walter M. Container with openable segment. 3,411,-661, 11–19–68, Cl. 220—54.
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Persson, Erik, and H. Schiott, to Allmanna Svenska Elektriska Aktiebolaget. Control means for hydrofoil craft. 3,364,892, 1–23–68, Cl. 114—66.5.
Persson, Erland K., to Electro-Craft Corp. Compensated direct current motor control apparatus. 3,381,199, 4–30–68, Cl. 318—327.
Persson, Jan E., to Atlas Copco Aktiebolag. Motor compressor units. 3,387,770, 6–11–68, Cl. 230—139.
Persson, Jan E., to Atlas Copco, Aktiebolag. Screw rotor machines and profiles. 3,414,189, 12–3–68, Cl. 230—143.
Persson, Jan E., and H. K. Olofsson, to Atlas Copco Aktiebolag. Means for unloading and controlling compressor units. 3,367,562, 2–6–68, Cl. 230—24.
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Persson, Karl G. A., to LKB-Produkter Aktiebolag. Microtome provided with microscope and specimen catching grid operated thereby. 3,377,898, 4–16–68, Cl. 83—78.
Persson, Karl R., to Sprinter-Pack AB. Cardboard box. 3,366,-307, 1–30–68, Cl. 229—39.
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Persson, Rune, to Allmanna Svenska Elektriska Aktiebolaget. Procedure for welding metal pieces to porous material and device for carrying out this procedure. 3,417,200, 12–17–68, Cl. 219—113.
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Perugini, Giancarlo, to Montecatini Edison S.p.A. Fluid coolant system for a plasma jet generator. 3,390,292, 6–25–68, Cl. 313—23.
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Perun, Thomas J., to Abbott Laboratories. Erythronolide B esters. 3,415,848, 12–10–68, Cl. 260—343.
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Peschon, John, to Stanford Research Institute. Dynamic optimizer. 3,389,243, 6–18–68, Cl. 235—150.1.
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Pesola, Nicolangelo, and S. Pluchino, to N., J. A., and D., Pesola and Pluchino. Turret for a radial cutter. 3,362,444, 1–9–68, Cl. 142—40.
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Pester, William B., A. J. Schwarz, and C. F. Seitz, to Sears, Roebuck and Co. Automatic slide projector. 3,411,845, 11–19–68, Cl. 353—88.

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Peter, Oskar E.: *See*—
Peter, Oskar E., and Peter. 3,362,702.

Peter, Oskar E., and L. Peter, said Lothar Peter assor. to said Oskar E. Peter. Composite resilient element. 3,362,702, 1–9–68, Cl. 267—9.

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Peter, William B., and C. G. Goss, Jr., to American Air Filter Co., Inc. Control switch assembly having variable differential and range adjustment. 3,393,282, 7–16–68, Cl. 200—83.

Peteri, Robert, to Compagnie de Saint-Gobain. Gas filters. 3,382,650, 5–14–68, Cl. 55—97.

Peterkin, Melvin E., and L. W. Hall, Jr., to Sun Oil Co. Hot melt adhesive comprising an aromatic-aldehyde resin and an ethylene-vinyl acetate copolymer. 3,419,641, 12–31–68, Cl. 260—897.

Peterli, Ernst J., to The Dow Chemical Co. High nitrogen polymers and process for preparation thereof. 3,378,571, 4–16–68, Cl. 260—349.

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Peters, Alec. Card positioning means in reciprocating bed and platen printing press. 3,417,695, 12–24–68, Cl. 101—407.

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Peters, Charles J., to Sylvania Electric Products Inc. Optical frequency translator. 3,406,356, 10–15–68, Cl. 332—7.51.

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Peters, Dale T.: *See*—
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Peters, Don H., M. L. Prillaman, and A. J. Boothe, Jr., to Creative Packaging Inc. Method for assembling plastic boxes. 3,393,444, 7–23–68, Cl. 29—442.

Peters, Edwin F., and O. O. Juveland, to Standard Oil Co. Catalyst and catalytic process. 3,371,079, 2–27–68, Cl. 260—94.9.

Peters, Erhard, H. Reifenhäuser, and F. Reifenhauser, to Firma Reifenhauser KG. Plasticizing-screw device. 3,368,724, 2–13–68, Cl. 222—413.

Peters, G. D., & Co. (Engineering) Ltd.: *See*—
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Peters, Guilford B., to Stapling Machines Co. Treatment of moisture-bearing fibrous materials. 3,395,062, 7–30–68, Cl. 156—244.

Peters, Guilford B., to Stapling Machines Co. Method of making plastic-coated corrugated fiberboard. 3,406,052, 10–15–68, Cl. 156—198.

Peters, Helmut, to Nordberg Mfg. Co. Hydraulic cylinder support. 3,395,621, 8–6–68, Cl. 92—169.

Peters, Herman G.: *See*—
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Peters, John C., to Sprague Electric Co. Ferromagnetic shielding. 3,364,298, 1–16–68, Cl. 174—35.

Peters, John E., to The Chase Brass & Copper Co. Process for preparing rhenium-refractory alloys. 3,375,109, 3–26–68, Cl. 75—212.

Peters, John K.: *See*—
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Peters, John K., and B. A. McClellan, to Burke Flexo Products Co. Fishing lures. 3,389,490, 6–25–68, Cl. 43—42.1.

Peters, John W.: *See*—
Mason, Frederick P., and Peters. 3,404,233.

Peters, Leo. Refrigerated butter patty dish. 3,383,880, 5–21–68, Cl. 62—457.

Peters, Leo. Packaging device for butter patties. 3,398,000, 8–20–68, Cl. 99—179.

Peters, Leo. Method and means for embossment and packaging of cold butter. 3,410,699, 11–12–68, Cl. 99—179.

Peters Machinery Co.: *See*—
Talbot, Richard C. 3,361,112.
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Peters, Nicholas. Plural channel remote control radio system responsive to a pivoted stick control and including a channel for transmitting a signal which compensates for lag of the controlled device behind the control. 3,376,575, 4–2–68, Cl. 343—225.

Peters, Nicholas. Electrical motor positioning system. 3,395,323, 7–30–68, Cl. 318—31.

Peters, Norman L. Automobile frame. 3,363,934, 1–16–68, Cl. 296—28.

Peters, Peter S., to Interstate Fabrications, Inc. English muffin toaster. 3,371,595, 3–5–68, Cl. 99—352.

Peters, Robert W., to H. J. Gorski. Concentric stator windings and method of winding. 3,396,290, 8–6–68, Cl. 310—180.

Peters, Robert W., to H. J. Gorski. Electric motor. 3,413,717, 12–3–68, Cl. 29—605.

Peters, Rudolph W. Quick coupling connector. 3,411,129, 11–12–68, Cl. 339—100.

Peters & Russell, Inc.: *See*—
Russell, Linus E. 3,387,105.

Peters, Theodore F.: *See*—
Johnstone, Theodore H., Peters, and Brown. 3,386,761.

Peters, Theodore R., to Bell Telephone Laboratories, Inc. Information storage arrangement employing circulating memories. 3,387,821, 6–4–68, Cl. 340—172.5.

Peters, Wallace W., to Colgate-Palmolive Co. Pressurized container cap construction. 3,397,822, 8–20–68, Cl. 222—402.13.

Peters, Werner, and H. Juntgen, to Firma Bergwerksverband G.m.b.H. Method and apparatus for purifying gases. 3,405,508, 10–15–68, Cl. 55—73.

Peters, Werner, and K.-C. Traenckner. Method of coking and classifying particulate matter by fluidization. 3,419,474, 12–31–68, Cl. 201—4.

Peters, William F.: *See*—
Root, Lawrence E., and Peters. 3,409,338.

Peters, William H., to The Rooto Corp. Water distributing device for humidifiers. 3,416,564, 12–17–68, Cl. 137—525.

Peters, William J., to E.F.L., Inc. Memorial light. 3,376,413, 4–2–68, Cl. 240—6.4.

Peterschmidt, Paul L., to Diversification Development Inc. Modular free-span curvilinear structures. 3,380,203, 4–30–68, Cl. 52—81.

Petersen, Alfred A.: *See*—
Whiton, Louis C., and Petersen. 3,364,656.

Petersen, Alfred A., to Universal Oil Products Co. Particle classifying-separating apparatus. 3,365,058, 1–23–68, Cl. 209—144.

Petersen, Alfred A., and D. W. Gibbs, to Universal Oil Products Co. Inertial type pneumatic separator. 3,409,131, 11–5–68, Cl. 209—143.

Petersen, Alfred W., to Stauffer Chemical Co. Apparatus for boiling liquids by falling film heating. 3,405,689, 10–15–68, Cl. 122—39.

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Petersen, Gerald A. 3,375,890.
Petersen, Gerald A. 3,400,476.
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Petersen, Arne J., to Beckman Instruments, Inc. Standard gas solution. 3,380,929, 4–30–68, Cl. 252—408.

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Petersen, Donald J., to National Gypsum Co. Plaster on metal application. 3,369,929, 2–20–68, Cl. 117—127.

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Petersen, Gerald A., ½ to A. E. Petersen. Removable tooth pavement mixer wheel construction. 3,375,764, 4–2–68, Cl. 94—40.
Petersen, Gerald A., ½ to A. E. Petersen. Earth auger construction. 3,375,890, 4–2–68, Cl. 175—385.
Petersen, Gerald A., ½ to A. E. Petersen. Crimped string retainer for excavating tooth. 3,400,476, 9–10–68, Cl. 37—142.
Petersen, Gerald A., ½ to A. E. Petersen. Frictional retainer for excavator tooth key. 3,413,740, 12–3–68, Cl. 37—142.
Petersen, Gerald A. Auger head with odd number of arms. 3,414,690, 12–3–68, Cl. 175—391.
Petersen, Gerd, V. Fattinger, and W. Jager, to Hugo Petersen Firma. Apparatus and method for separating suspended substances from gas currents. 3,375,058, 3–26–68, Cl. 23—2.
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Petersen, John F., to Honeywell, Inc. Control apparatus. 3,373,959, 3–19–68, Cl. 244—77.
Petersen, John F., to Honeywell Inc. Differential amplifier apparatus. 3,395,358, 7–30–68, Cl. 330—30.
Petersen, John V. B., and N. Clauson-Kaas, to Geigy Chemical Corp. Method of preparing 2,3-pyridinediol. 3,419,570, 12–31–68, Cl. 260—297.
Petersen, Joseph G., to Westinghouse Electric Corp. System for supplying reversible electric power to reactive loads. 3,418,560, 12–24–68, Cl. 321—47.
Petersen, Mogens, to Kongskilde Maskinfabrik A/S. Bolt connection particularly for fixing a harrow tooth to a supporting bar. 3,380,786, 4–30–68, Cl. 306—1.5.
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Werner, Frank D., and Petersen. 3,374,561.
Petersen, Pieter N., to Scott-Engineering Sciences Corp. Educational electric fluid flow analyzer. 3,379,864, 4–23–68, Cl. 235—151.34.
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Ross, Sidney D., Finkelstein, and Petersen. 3,411,997.
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Petersen, Sigrud R.: *See*—
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Petersen, Vagn A. Tube squeezer. 3,371,823, 3–5–68, Cl. 222—97.
Petersen, Wilhelm, to Allmanna Svenska Elektriska Aktiebolaget. Adjustable coil. 3,365,686, 1–23–68, Cl. 336—150.
Petersen, William E., and B. Campbell, to Collins Products, Inc. Method of producing antibodies in milk. 3,376,198, 4–2–68, Cl. 167—78.
Petersilka, Franz K., R. P. Schittenhelm, and R. Weiss, to Siemens-Reiniger-Werke Aktiengesellschaft. Charged particle accelerator having a pressure range of 10^{-5} to 10^{-7} Torr. 3,401,345, 9–10–68, Cl. 328—237.
Peterson, Alan H., and J. T. Kelly, to Marathon Oil Co. Hydrocarbon conversion process for production of benzene and substantially olefin-free gasoline blending stock. 3,413,210, 11–26–68, Cl. 208—79.
Peterson, Albert C., R. A. Hayes, and R. H. Lukins, to Union Special Machine Co. Combined feed mechanism with stepped feed-dogs for sewing machines. 3,416,473, 12–17–68, Cl. 112—209.
Peterson, Anders A., to Hardinge Bros., Inc. Devices for closing wrench sockets. 3,405,595, 10–15–68, Cl. 85—45.
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Peterson, Arnold M. Handle adapter for tools. 3,375,044, 3–26–68, Cl. 306—9.
Peterson, Carl A., to Westinghouse Electric Corp. Rack mechanism for automatic dishwasher. 3,390,930, 7–2–68, Cl. 312—269.
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Peterson, Carl R., to Ingersoll-Rand Co. Tunnel boring apparatus. 3,418,022, 12–24–68, Cl. 299—31.
Peterson, Charles A., Jr. Power generating apparatus. 3,391,903, 7–9–68, Cl. 253—4.
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Peterson, Donald J., and H. R. Hays, to The Procter & Gamble Co. Alkali metalated tertiary phosphines and the preparation thereof. 3,414,624, 12–3–68, Cl. 260—606.5.
Peterson, Earl A. Integrated barge and tugboat. 3,362,372, 1–9–68, Cl. 114—235.
Peterson, Earl A. Slip clutch constant tension winch. 3,373,972, 3–19–68, Cl. 254—187.
Peterson, Edwin H., to Vibrator Mfg. Co., Inc. Suspended vibrator. 3,415,396, 12–10–68, Cl. 214—83.3.
Peterson, Elwin L. Water cover and cleaning system for swim pools. 3,377,632, 4–16–68, Cl. 4—172.
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Peterson, Francis C., to C. Hager & Sons Hinge Mfg. Co. Hinge. 3,375,546, 4–2–68, Cl. 16—171.
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Peterson, Francis C. Hinge. 3,394,428, 7–30–68, Cl. 16—151.
Peterson, Francis C. Adjustable threshold. 3,402,512, 9–24–68, Cl. 49—468.
Peterson, Francis C., to C. Hager & Sons Hinge Mfg. Co. Device for warming or cooling infant food. 3,402,763, 9–24–68, Cl. 165—46.
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Peterson, Gerald H. Kinetic energy absorber. 3,398,812, 8–27–68, Cl. 188—1.
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Peterson, Glen. Magnet charger. 3,390,310, 6–25–68, Cl. 317—157.5.
Peterson, Glen, and H. A. Burns. Means for protecting transistors from high voltage pulses. 3,373,291, 3–12–68, Cl. 307—202.
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Peterson, Gordon E. and G. G., to United States of America, Navy. Fundamental frequency detector utilizing plural filters and gates. 3,364,425, 1–16–68, Cl. 324—77.
Peterson, Hal D., J. L. Drobnick, and S. B. Smith, to West Virginia Pulp and Paper Co. Method of separating metal chlorides. 3,388,993, 6–18–68, Cl. 75—68.
Peterson, Harold C., to Carlson Tool & Machine Co. Positive action cam structure for brushmaking machines. 3,394,600, 7–30–68, Cl. 74—53.
Peterson, Harold F., to Armour and Co. Package and insert label. 3,373,045. 3–12–68, Cl. 99—171.
Peterson, Harris M. Safety cap. 3,394,829, 7–30–68, Cl. 215—9.
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Peterson, Janet B., and M. Dexter, to Geigy Chemical Corp. Stabilization of polyolefins with derivatives of 3-lower alkyl-4-hydroxyphenoxyalkanoic acids. 3,380,962, 4–30–68, Cl. 260—45.85.

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Peterson, Robert H., to International Products, Inc. Hearth log flame diffusing and intensification apparatus. 3,362,395, 1–9–68, Cl. 126—92.
Peterson, Robert H., to International Products, Inc. Hearth log apparatus. 3,382,861, 5–14–68, Cl. 126—92.
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Peterson, Soren E. Small potato eliminator structure. 3,367,494, 2–6–68, Cl. 209—106.
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Pick, Rudolph, to E. I. du Pont de Nemours and Co. Process for recovering an alkali metal styrene sulfonate from an aqueous medium. 3,382,277, 5–7–68, Cl. 260—505.

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Giesking, Paul F. 3,368,081.
Giesking, Paul F. 3,374,908.
Gullett, William W. 3,389,990.

Pickar, Paul B., to Martin-Marietta Corp. Carbon article coated with beta silicon carbide. 3,385,723, 5–28–68, Cl. 117—46.

Pickard, Edgar C. Sulky. 3,388,921, 6–18–68, Cl. 280—63.

Pickard, Frank W., 10% to Eleanor D. J. Stanford. Automatic door closer. 3,409,341, 11–5–68, Cl. 312—319.

Pickard, Kenneth L. Internal alignment clamp. 3,387,761, 6–11–68, Cl. 228—42.

Pickavance, Alan, and R. C. Freestone, to Pilkington Bros. Ltd. Apparatus for press bending and toughening a sheet of glass. 3,367,763, 2–6–68, Cl. 65—287.

Pickell, Marion W., to Phillips Petroleum Co. Resolving emulsions. 3,410,806, 11–12–68, Cl. 252—329.

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Hansen, Carl W. 3,407,300.
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Picker, Harold J. Disposal. 3,393,462, 7–23–68, Cl. 37—12.

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Bridgeman, Cecil K. 3,377,769.

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Pickering, Stephen C. Denture improvement. 3,413,721, 12–3–68, Cl. 32—2.

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Rabo, Jule A., Pickert, and Boyle. 3,367,885.

Pickert, Paul E., and A. P. Bolton, to Union Carbide Corp. Hydrocarbon reforming process and catalyst compositions therefor. 3,397,137, 8–13–68, Cl. 208—138.

Pickett, Audra E. Composition of matter for decorative articles using eggshells as fillers. 3,371,061, 2–27–68, Cl. 260—40.

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Pickett, John E. P. Composite histologic tissue receptacle. 3,411,185, 11–19–68, Cl. 18—34.

Pickett, John E. P. Pneumatic apparatus for viewing film mounted specimens. 3,416,853, 12–17–68, Cl. 350—92.

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Gardner, John B., Harper, and Pickle. 3,886,971.
Harper, Billy G., Gardner, and Pickle. 3,365,430.

Pickles, Joseph, to Ferro Mfg. Corp. Seat adjustment mechanism. 3,365,163, 1–23–68, Cl. 248—420.

Pickles, Joseph, to Ferro Mfg. Corp. Window regulator mechanism. 3,406,594, 10–22–68, Cl. 74—801.

Pickles, Joseph, to Ferro Mfg. Corp. Seat adjuster control mechanism. 3,406,795, 10–22–68, Cl. 192—.02.

Pickles, Joseph, to Ferro Mfg. Corp. Threaded drive gear with abutment for screw shaft. 3,416,386, 12–17–68, Cl. 74—424.8.

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Ellison, Ronald, Pickles, Pritchard, and Taylor. 3,416,471.

Pickles, Sidney, to United States of America, Navy. Dual band stationary TACAN antenna. 3,394,379, 7–23–68, Cl. 343—800.

Pickles, Sidney, to United States of America, Navy. Mechanical modulator for stationary TACAN antenna. 3,394,380, 7–23–68, Cl. 343—854.

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Brachvogel, Heinz, and Pickroth. 3,404,934.

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Picquendar, Jean E., to Compagnie Francaise Thomson Houston-Hotchkiss Brandt. Solid-fuel controllable-thrust propulsion device. 3,398,537, 8–27–68, Cl. 60—254.

Picquendar, Jean E., and O. Cahen, to Compagnie Francaise Thomson-Hotchkiss Brandt. Solid-state, frequency-selective amplifying device. 3,377,588, 4–9–68, Cl. 343—8.

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Piekarski, Leonard, ¼ each to I. B. Collins, V. Whitesides, T. A. Smith, and C. E. Isham. Magnetic proximity switch. 3,398,384, 8–20–68, Cl. 335—207.

Piel, David, 10% to B. R. Goldberg and F. B. Gershon. Electric supply means. 3,383,641, 5–14–68, Cl. 339—96.

Piel, George A., to Pittsburgh Brass Mfg. Co. Tank bottom flush valve. 3,367,623, 2–6–68, Cl. 251—144.

Piel, Michel F. Garment with electrically conductive heating element. 3,419,702, 12–31–68, Cl. 219—211.

Pien, Pao C., to United States of America, Navy. Ship's stern and propeller arrangement. 3,416,480, 12–17–68, Cl. 114—57.

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Lund, Richard B., Pierce, Turi, and Oswald. 3,379,707.

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Pierce, Chester J., Jr., to Kliklok Corp. Glueless panel locks, particularly corner locks for folding boxes. 3,400,877, 9–10–68, Cl. 229—32.
Pierce, Chester J., Jr., and L. J. Pagendarm, to Kliklok Corp. Method of and devices for conveying, spacing, and timing bevel-walled recptacles. 3,382,965, 5–14–68, Cl 198—34.
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Pierce, Ogden R., G. A. Grindahl, and A. J. Butler, to Dow Corning Corp. Fluorinated cyclic alcohols. 3,415,892, 12–10–68, Cl. 260—617.
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Pierce, Roger J. Stable oceanic station. 3,369,516, 2–20–68, Cl. 114—144.
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Pierce, Stanley L., Jr., to Ford Motor Co. Automatic control valve system for a multiple speed ratio power transmission mechanism having a control pressure booster. 3,400,612, 9–10–68, Cl. 74—864.
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Pilger, Nicholas, to Reynolds Metals Co. Package means and method for making same. 3,411,618, 11–19–68, Cl. 206—65.

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Piret, Jean, to Societe Anonyme: Simca Automobiles. Hydropneumatic suspension devices, particularly for automobile vehicles. 3,395,931, 8–6–68, Cl. 280—124.
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Piret, Jean M. Preparation of tin phosphate. 3,390,957, 7–2–68, Cl. 23—105.
Piret, Jean M. Preparation of titanium phosphate. 3,418,075, 12–24–68, Cl. 23—105.
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Piscitello, Robert A., A. E. Petit, and B. V. Wolski, to General Dynamics Corp. Arc welding decay heat control system with movable core transformer. 3,372,330, 3–5–68, Cl. 323—51.
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Pitner, Alfred, to Nadella S.A. Device for postioning sealing means for an antifriction bearing. 3,395,953, 8–6–68, Cl. 308—187.1.
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Pitt, Solomon H., to Sperry Rand Corp. Random access positioning apparatus for article selection. 3,376,565, 4–2–68, Cl. 340—174.1.
Pitt, Solomon H., E. Sherbert, and F. E. Ross, to Sperry Rand Corp. High speed printing device employing bar printer and double width hammers. 3,390,630, 7–2–68, Cl. 101—93.
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Pittman, Allen G., and W. L. Wasley, to United States of America, Agriculture. Fluorinated glycidyl ethers and use thereof. 3,361,385, 1–2–68, Cl. 260—2.

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Pittman, Allen G., and W. L. Wasley, to United States of America, Agriculture. Fluorinated ester compounds and use thereof. 3,384,628, 5–21–68, Cl. 260—89.5.
Pittman, Allen G., and W. L. Wasley, to United States of America, Agriculture. Preparation of fluorosilanes. 3,408,-380, 10–29–68, Cl. 260—448.2.
Pittman, Allen G., and W. L. Wasley, to United States of America, Agriculture. Certain fluorinated carboxylic acids and their derivatives. 3,409,647, 11–5–68, Cl. 260—408.
Pittman, Allen G., and W. L. Wasley, to United States of America, Agriculture. Fluorinated alkyl esters of acrylic (type) acids. 3,419,602, 12–31–68, Cl. 260—486.
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Pitts, James W., and R. R. Reese, to Jefferson Chemical Co., Inc. Recovery of spent glycol by distillation in the presence of water. 3,408,268, 10–29–68, Cl. 203—78.
Pitts, Stanley B., to United States of America, Air Force. Highly directive electrically small antenna. 3,381,298, 4–30–68, Cl. 343—753.
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Pitts, Thomas E., to Leesona Corp. Textile apparatus. 3,389,867, 6–25–68, Cl. 242—35.6.
Pitts, William A., R. L. Crain, and E. K. Pierce; said Crain and said Pierce assors. to Gray Tool Co. Well completion apparatus and method. 3,405,763, 10–15–68, Cl. 166—46.
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Plank, Charles J., and E. J. Rosinski, to Mobil Oil Corp. Catalytic conversion of hydrocarbons with the use of a steam treated Y type of crystalline aluminosilicate. 3,391,075, 7–2–68, Cl. 208—120.

Plank, Charles J., and E. J. Rosinski, to Mobil Oil Corp. Catalyst prepared by steaming high silica alkali metal aluminosilicates in a matrix. 3,391,088, 7–2–68, Cl. 252—455.

Plank, Charles J., and E. J. Rosinski, to Mobil Oil Corp. Hydrothermally stable catalysts of high activity and methods for their preparation. 3,404,086, 10–1–68, Cl. 208—120.

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Platzer, George E., Jr., to L. H. Romanski. Switching circuit. 3,418,489, 12–24–68, Cl. 307—114.

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Popat, Pranjivan V., to Texas Instruments, Inc. Electrochemical power supply systems. 3,418,171, 12–24–68, Cl. 136—100.

Pope, Courtney C., to Sim-pli-ci-ty Products Corp. Fixture for back-to-back mounting of water closets. 3,398,409, 8–27–68, Cl. 4—252.

Pope, Courtney C., to Sim-pli-ci-ty Products Corp. Flow through barrel to prevent crossover in back-to-back blow-out installations. 3,398,979, 8–27–68, Cl. 285—64.

Pope, Glenn L., to Pendleton Woolen Mills. Dart gauge. 3,392,-691, 7–16–68, Cl. 112—153.

Pope, H. C., Ltd.: *See*—
Pope, Henry C. 3,368,704.

Pope, Henry C., to H. C. Pope, Ltd. Vehicle loading and unloading apparatus. 3,368,704, 2–13–68, Cl. 214—75.

Pope, Isaac, to F. Saxon, Jr. Button sewing attachment. 3,381,638. 5–7–68, Cl. 112—114.

Pope, Richard D., Jr., and S. L. Faught, to Cypress Gardens Skis, Inc. Tracking ski. 3,395,411, 8–6–68, Cl. 9—310.

Pope, Woodrow W., to Collins Radio Co. Phase locked indicator for plurality of oscillators phase locked to common reference. 3,369,190. 2–13–68, Cl. 331—44.

Popell, Samuel J. Food processor. 3,376,910, 4–9–68, Cl. 146—185.

Popell, Samuel J. Food processor. 3,406,590, 10–22–68, Cl. 74—545.

Popell, Samuel J. Skin cutter and peeler. 3,414,030, 12–3–68, Cl. 146—43.

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Haack, Erich, Popelak, Lettenbauer, Schaumann, and Ritter. 3,405,139.

Popelier, Maurice A.: *See*—
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Popik, Michael J., to Sperry Rand Corp. Fail operational control system for redundant servos with torque signal equalization. 3,405,337, 10–8–68, Cl. 318—18.

Popil, Nicholas B. Retractable roof. 3,412,509, 11–26–68, Cl. 52—2.

Popkin, Alexander H., to Esso Research and Engineering Co. Amine-phosphates as multi-functional fuel additives. 3,384,-466, 5–21–68, Cl. 44—72.

Popkin, Alexander H., G. M. Kagan, and R. Slysh, to Esso Research and Engineering Co. Cementitious compositions for bituminous substrates. 3,382,139, 5–7–68, Cl. 161—236.

Popoff, Ivan C.: *See*—
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Dever, James L., and Popoff. 3,373,167.
Olin, John F., and Popoff. 3,369,063.

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Popoff, Ivan C., to Pennsalt Chemicals Corp. Methods of affecting plant growth. 3,396,005, 8–6–68, Cl. 71—70.

Popoff, Ivan C., and B. Loev, to Pennsalt Chemicals Corp. Dihalocyclopropyl aromatic carboxylic acid. 3,373,190, 3–12–68, Cl. 260—515.

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Poppe, Ewald, to Rheinstahl Henschel A.G. Vehicular support for a mortar. 3,417,659, 12–24–68, Cl. 89—40.

Poppe, Robert B., and V. F. Gugler. Extruder head useful in pastry making apparatus. 3,408,981, 11–5–68, Cl. 118—25.

Poppe, Walter. Handkerchief holder. 3,412,435, 11–26–68, Cl. 24—3.

Poppelsdorf, Fedor, to Union Carbide Corp. Production of bis/beta(N,N-dimethylaminoalkyl/ethers. 3,400,157, 9–3–68, Cl. 260—584.

Poppen, Sherman R., to Brunswick Corp. Surf type snow ski. 3,378,274, 4–16–68, Cl. 280—18.

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Greene, Norman D., and Poppendiek. 3,360,990.

Popper, Peter: *See*—
Heller, Karl-Heinz, Popper, Nentwig, and Schnell. 3,384,-616.

Poppinger, Herbert, W. Volkman, and M. Liska, to Siemens Aktiengesellschaft. Circuit-initiating self-excitation of a three-phase alternator. 3,378,753, 4–16–68, Cl. 322—28.

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Porcaro, Louis F., to General Foods Corp. Method and apparatus for orienting pad-like articles. 3,409,115, 11–5–68, Cl. 198—24.

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Porepp, Hans. Slide fastener with plastic coupling elements. 3,399,436, 9–3–68, Cl. 24—205.13.

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Porrata, Louis R., and C. R. Young, to Columbia Broadcasting System, Inc. Electroplating apparatus for use with a phonograph record matrix. 3,414,502, 12–3–68, Cl. 204—281.

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Port, Leo W. Elevator control wherein car destination is registered by same switch which registers car call. 3,374,864, 3–26–68, Cl. 187—29.

Port, Morton I., and B. L. Schwartz, to Parker, Pace Corp. Process for converting a web of synthetic material into bulk yarns. 3,398,220, 8–20–68, Cl. 264—147.

Port, Morton I., and J. E. Cook, to Patchogue-Plymouth Co. Edge sealing device for pile fabrics. 3,413,176, 11–26–68, Cl. 156—499.

Port, William S., and C. K. Chiklis, to Avco Corp. Molecular still. 3,406,097, 10–15–68, Cl. 202—190.

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Portal, Marcel L., to European Atomic Energy Community-Euratom. Apparatus for the purification of an enclosed inert atmosphere. 3,403,005, 9–24–68, Cl. 23—252.

Portal, Pierre, and J. Rouchard, to Commissariat a l'Energie Atomique. Linear divider. 3,389,638, 6–25–67, Cl. 90—56.

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Portco Corp.: *See*—
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Portec Inc.: *See*—
Hamilton, William R., Jr. 3,416,728.

Portell, Walter L., to General Motors Corp. Seat button fastener. 3,408,105, 10–29–68, Cl. 297—219.

Porteous, Kenneth, Sr. Lockheed Aircraft Corp. Code-punched document recording device. 3,873,439, 3–12–68, Cl. 346—79.

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Porter, Alvin J., and A. W. Merchlewitz, to Products Design and Engineering, Inc. Dispensing cap for a container. 3,369,707, 2–20–68, Cl. 222—83.

Porter, Charles B. A., to Autonumis Ltd. Ticket vending machines. 3,363,736, 1–16–68, Cl. 194—63.

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Porter, Charles R., to L. R. Goodwin. Pressure fluid actuated clockwork winding mechanism. 3,397,758, 8–20–68, Cl. 185—40.

Porter, Charles R., L. A. Bailey, and D. A. Culwell; said Porter assor. of 19/560% to D. R. Bernard, 1/28% to J. R. Curbo, 1/28% to S. E. Liss, 1/28% to G. Morte, 1/28% to L. G. Myers, 1/28% to A. H. Rabensburg, 1/28% to J. B. Richardson, and 1/560% to D. M. Johnston. Gas meter. 3,369,398, 2–20–68, Cl. 73—270.

Porter, Clyde R. Hydraulic locking device. 3,380,561, 4–30–68, Cl. 188—96.

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Arnold, Alanson J., Van Dyke, and Porter. 3,397,259.

Porter, Dennis A.: *See*—
Corey, Philip D., and Porter. 3,401,329.

Porter, Donald K.: *See*—
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Porter, Donald K., to The B. F. Goodrich Co. Tire building apparatus. 3,364,093, 1–16–68, Cl. 156—415.

Porter, Donald K., to The B. F. Goodrich Co. Conveyor apparatus. 3,413,174, 11–26–68, Cl. 156—405.

Porter, Donald K., J. W. Eckenwiler, F. K. Barns, R. F. Cooper, and W. E. Head, to The B. F. Goodrich Co. Tire building machine. 3,374,138, 3–19–68, Cl. 156—400.

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Johnson, Don E., and Porter. 3,389,692.

Porter, Forrest V., to Dresser Industries, Inc. Perforating gun for small diameter bullets. 3,367,429, 2–6–68, Cl. 175—4.58.

Porter, Forrest V., to Dresser Industries, Inc. Combined propellant charge and bullet unit for well. 3,376,375, 4–2–68, Cl. 175—4.58.

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Porter, H. K., Co., Inc.: *See*—
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Black, James T., Jr. 3,374,826.
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Porter, Thomas M. 3,396,571.

Porter, Harold F.: *See*—
Lucas, Robert L., and Porter. 3,370,401.

Porter, Herbert R., Jr., and P. J. Pittala, to Osmond Johnson, Inc. Glueing attachment for collating machine. 3,404,880, 10–8–68, Cl. 270—58.

Porter, Irwin C. Calorie computing weigher. 3,387,676, 6–11–68, Cl. 177—17.
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Weil, Edward D., and Porter. 3,396,201.

Porter, John B.: *See*—
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Porter, John T., II, to Gulf General Atomic Inc. Method for producing electrical energy in electrochemical cell. 3,391,027, 7–2–68, Cl. 136—86.

Porter, Joseph W., to General Electric Co. Electric circuit interrupter of the vacuum type with arc-voltage control means for promoting arc transfer. 3,372,258, 3–5–68, Cl. 200—144.

Porter, Joseph W., to General Electric Co. Vacuum-type electric circuit interrupter with arc-voltage limiting means. 3,372,259, 3–5–68, Cl. 200—144.

Porter, Maurice R., and B. Longden, to Midland Silicones Ltd. Foamed polyurethanes. 3,373,122, 3–12–68, Cl. 260—2.5.

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Porter Paints Ltd.: *See*—
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Porter, Philip E. Cable cutting assembly. 3,378,924, 4–23–68, Cl. 30—91.2.

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Porter, Ralph F., J. A. Schwan, and J. W. Gates, Jr., to Eastman Kodak Co. Photographic inhibitor releasing developers. 3,379,529, 4–23–68, Cl. 96—36.

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Porter, Robert E., and C. J. Sorensen, Jr. Two compartment syringe. 3,380,451, 4–30–68, Cl. 128—218.

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Porter, Walter J., Jr., and J. F. Moser, Jr., to Esso Research and Engineering Co. Process for the production of iron by the direct reduction of iron oxide ore. 3,364,011, 1–16–68, Cl. 75—26.

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Porter, William F., to United States Gypsum Co. Apparatus for forming fibers. 3,372,011, 3–5–68, Cl. 65—14.

Porter, William F., to United States Gypsum Co. Fiber attenuating burner. 3,372,012, 3–5–68, Cl. 65—14.

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Porterfield, Cecil P., and G. A. Kappenhagen, to The Ohio Crankshaft Co. Alternating current frequency converter. 3,370,250, 2–20–68, Cl. 331—49.

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Post, Herman D. Endless tape unwinding and rewinding device. 3,365,140, 1–23–68, Cl. 242—55.19.

Post, James E. Suction press roll and method for manufacturing same. 3,418,205, 12–24–68, Cl. 162—372.

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Skoggard, Bruno B., and Post. 3,407,107.

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Postelson-Apostolescu, Steven. Flying platform-automobile-boat and air suspension car combination. 3,361,395, 1–2–68, Cl. 244—102.

Postelson-Apostolescu, Steven. Flying platform-automobile-boat and air suspension car combination. 3,384,327, 5–21–68, Cl. 244—23.

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Potma, Theodore G., to North American Philips Co., Inc. Servo-motor control system having a displaced error voltage to compensate for inertial drift. 3,363,158, 1–9–68, Cl. 318—18.

Potocki, Edward A.: *See*—
Elarde, Vito D., Potocki, and Gajewski. 3,361,583.

Potocnik, Kurt, to Didier-Werke A.G. Lattice-work blocks for regenerator chambers. 3,384,359, 5–21–68, Cl. 263—51.

Potomak, Andrew. Circular saws. 3,362,446, 1–9–68, Cl. 143—133.

Potrafke, Karl A.: *See*—
Blom, Leendert, Kateman, Potrafke, and Stornebrink. 3,363,990.

Pottbacker, Ludger: *See*—
Brener, Karl, Grundig, and Pottbacker. 3,368,368.

Potter, Albert L.: *See*—
Potter, Lee R., Albert L., Leland E., and Oliver. 3,393,467.

Potter, Archibald L., Jr., M. L. Belote, and H. K. Burr, to United States of America, Agriculture. Snack food in the shape of a scoop having a flat blade and a cylindrical hollow handle. 3,348,495, 5–21–68, Cl. 99—100.

Potter, Charles, and P. Henley, to American Vitrified Products Co. Pipe stopper. 3,412,759, 11–26–68, Cl. 138—89.

Potter, Frederick M., to The Bendix Corp. Flexible drive shaft. 3,372,559, 3–12–68, Cl. 64—1.

Potter, Frederick M., to The Bendix Corp. Variable speed constant frequency generating system. 3,378,756, 4–16–68, Cl. 322—32.

Potter, Frederick M., to The Bendix Corp. Narrow frequency range, wide speed range, brushless A.C. generator. 3,378,757, 4–16–68, Cl. 322—32.

Potter, Frederick M., to The Bendix Corp. Permanent magnet rotor electric generator with axially movable stator for adjusting voltage. 3,401,290, 9–10–68, Cl. 310—191.

Potter, Geoffrey W. H.: *See*—
Augstein, Joachim, Monro, and Potter. 3,413,310.

Potter, George A. Universal drive unit. 3,396,553, 8–13–68, Cl. 64—6.

Potter, George H., to Union Carbide Corp. Vinyl chloride polymer composition plasticized with mixed benzoic/alkanoic acid esters. 3,370,032, 2–20–68, Cl. 260—31.6.

Potter, George H., C. J. Whitworth, Jr., and N. L. Zutty, to Union Carbide Corp. Hot melt adhesive composition. 3,393,174, 7–16–68, Cl. 260—41.

Potter Instrument Co., Inc.: *See*—
Antonucci, Carmine J. 3,379,125.
Bond, Joseph N. 3,363,291.
Erb, Peter F. 3,377,515.
Fieldgate, Ivan O. 3,395,247.
Foley, Thomas P. 3,381,611.
Gabor, Andrew. 3,373,415.
Gabor, Andrew. 3,374,475.
Gabor, Andrew. 3,378,826.
Gabor, Andrew. 3,395,355.
Gabor, Andrew. 3,408,556.
Higgins, Leonard J. 3,388,846.
Klang, Daniel M. 3,384,210.
Moritz, Frederick C. 3,409,240.
Novet, Leon. 3,382,476.
Potter, John T., Foley, and Antonucci. 3,402,657.

Potter, James A. Logic circuit switching by interconnected series of electrical latches. 3,377,472, 4–9–68, Cl. 235—152.

Potthарst, John E., Jr. Inert gas generator. 3,389,972, 6–25–68, Cl. 23—281.

Potter, John J., Jr., and J. M. Hurt, to Union Carbide Corp. Handling finely divided solid materials. 3,400,985, 9–10–68, Cl. 302—36.

Potter, John R., to Finch, Pruyn & Co., Inc. Typewriter paper carton with lift strip. 3,399,762, 9–3–68, Cl. 206—65.

Potter, John T., T. P. Foley, and C. J. Antonucci, to Potter Instrument Co., Inc. High speed belt printer with printing slugs supporting means. 3,402,657, 9–24–68, Cl. 101—93.

Potter, Lee R., Albert L., Leland E., and W. H. Oliver. Casting sinker. 3,393,467, 7–23–68, Cl. 43—43.12.

Potter, Leland E.: *See*—
Potter, Lee R., A. L., L. E., and Oliver. 3,393,467.

Potter, LeRoy H. Cross-linked molecular adhesive expansion joints. 3,406,087, 10–15–68, Cl. 161—184.

Potter, Lynn J., to King Radio Corp. Brilliance control system for indicating lamps. 3,366,834, 1–30–68, Cl. 215—131.

Potter, Melvin L., to Construction Machinery Co. Support assembly for a concrete mixer chute. 3,410,538, 11–12–68, Cl. 259—172.

Potter, Norman L.: *See*—
McColl, John D., and Potter. 3,392,319.
Potter, Norman M., to Union Carbide Corp. Voltage controlled battery charger. 3,418,553, 12–24–68, Cl. 320—24.
Potter, Ralph M., to General Electric Co. Process for making N-typezinc cadmium sulfide electroluminescent material. 3,374,176, 3–19–68, Cl. 252—62.3.
Potter, Rossiter R., to AMP Inc. Detachable waterproof connector. 3,397,377, 8–13–68, Cl. 339—60.
Potter, Rossiter R., to AMP Inc. Connector for underwater cable. 3,413,407, 11–26–68, Cl. 174—89.
Potter, Roy F., to United States of America, Navy. Polarized light reflectometer. 3,402,631, 9–24–68, Cl. 88—14.
Potter, Thomas C., and G. H. Burt, to Interlake Steel Corp. Packaging machine. 3,398,675, 8–27–68, Cl. 100—7.
Potter, Worth, Jr.: *See*—
Lewis, Hughie E., and Potter. 3,416,795.
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Pottle, Marcia S.: *See*—
Guthrie, John D., Pottle, and Margavio. 3,411,863.
Potts, Celia F. Disposable coffee basket liner. 3,410,196, 11–12–68, Cl. 99—295.
Potts, Dean F., to Ferry Cap and Set Screw Co. Tubular coupling. 3,413,021, 11–26–68, Cl. 285—319.
Potts, Ernest L.: *See*—
Brown, Cicero C., and Potts. 3,381,939.
Rike, James L., Babb, and Potts. 3,373,818.
Potts, Ernest L., to C. C. Brown. Fluid pressure-driven multiplex pump. 3,363,575, 1–16–68, Cl. 103—49.
Potts, Ernest L., to Brown, Cicero C. Multiple power consuming devices. 3,386,384, 6–4–68, Cl. 103—49.
Potts, Ernest L., to Brown Oil Tools, Inc. Well tools. 3,386,701, 6–4–68, Cl. 251—229.
Potts, Mack F., and R. E. Johnson, to Phillips Petroleum Co. Production of negative oliensis asphalt by oxidizing a blend of oliensis positive and oliensis negative asphalts. 3,392,104, 7–9–68, Cl. 208—6.
Potts, Vinson S., to Crown Cork & Seal Co., Inc. Roll-on crown with ring tab. 3,380,609, 4–30–68, Cl. 215—40.
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Potvin, R. J., Shoe Co., Inc.: *See*—
Potvin, Richard J., Jr. 3,378,940.
Potvin, Richard J., Jr., to R. J. Potvin Shoe Co., Inc. Moccasin shoe and blank therefor. 3,378,940, 4–23–68, Cl. 36—11.
Potzick, Anthony J., to The Mosler Safe Co. Key changeable tumbler construction for combination locks. 3,386,275, 6–4–68, Cl. 70—316.
Potzsch, Wolfgang R., to J. I. Case Co. Cutter head for forage harvesters. 3,378,053, 4–16–68, Cl. 146—117.
Pouchelle, Jacques F. X.: *See*—
De Rocca, Lucio, and Pouchell. 3,362,255.
Pouilloux, Jacques, to Pneumatiques Caoutchouc Mfg. et Plastiques Kleber-Colombes. Pneumatic tire building machines. 3,380,872, 4–30–68, Cl. 156—416.
Poujois, Robert: *See*—
Lacour, Jacques, Poujois, and Thuilliere. 3,382,365.
Poulin, Arthur J. Spaceometer. 3,406,457, 10–22–68, Cl. 33—162.
Poulin, Clyde J., and G. Rice, to United States of America, Navy. Corrosion inhibitors for aqueous perchloric acid. 3,398,031, 8–20–68, Cl. 149—109.
Poullot, Oliver L.: *See*—
Granville, Charles N., Daly, and Poullot. 3,400,420.
Poull, Maurice: *See*—
Corbaz, Andre, and Poull. 3,411,284.
Poull, Maurice, and E. Zurcher. Radially clamping grips. 3,372,537, 3–12–68, Cl. 57—59.
Poulos, George. Display constructions with variable motions. 3,375,600, 4–2–68, Cl. 40—139.
Poulos, Gus L., to North American Rockwell-Standard Corp. Auxiliary spring. 3,379,429, 4–23–68, Cl. 267—56.
Poulos, Gus L., to Rockwell-Standard Co. Tandem drive axle suspension. 3,410,572, 11–12–68, Cl. 280—104.5.
Poulsen, Eldon R.: *See*—
Partridge, James M., Poulsen, Priscu, and Smith. 3,392,003.
Poulsen, Erik D., to A/S Haustrups Fabriker. Disposable hypodermic syringe. 3,378,007, 4–16–68, Cl. 128—220.
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Pouncy, Hillard W., Jr., to Union Carbide Corp. Method of heat sealing polypropylene. 3,380,870, 4–30–68, Cl. 156—308.
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Bogert, Howard Z., Pound, and Avery. 3,388,384.
Pound, Dwight C.: *See*—
Miller, Park H., Jr., Pound, and Snodgrass. 3,363,229.
Pound, James M. Hoop-type cycle. 3,380,755, 4–30–68, Cl. 280—207.
Pounds, Catherine D.: *See*—
Pounds, Richard T. 3,395,342.
Pounds, Richard T., deceased (by C. D. Pounds, sole heir and legal representative). Tachometer employing a motion sensing photocell connected as one arm of a bridge circuit. 3,395,342, 7–30–68, Cl. 324—70.

Pounds, Walter R., to George Risk Industries, Inc. Magnetically actuatable switch having non-linear contacts embedded within resinous switch housing. 3,418,611, 12–24–68, Cl. 335—205.
Poupin, Raymond, to Service d'Exploitation Industrielle des Tabacs et des Alliemetts. Moving web splicing apparatus. 3,398,911, 8–27–68, Cl. 242—58.4.
Pouradier, Jacques J. L.: *See*—
Chateau, Henri R. P., Gadet, and Pouradier. 3,419,396.
Pourchot, Melvin E., to Central Research, Inc. Rod guide. 3,370,894, 2–27–68, Cl. 308—4.
Pourchot, Melvin E., to Central Research, Inc. Rod guide or paraffin scraper. 3,399,730, 9–3–68, Cl. 166—176.
Pourtau, Jean-Jacques. Mechanical device for laying tiles or mosaic flooring. 3,375,633, 4–2–68, Cl. 52—749.
Poux, Charles A., to Phillips Petroleum Co. Conduit fittings having band clamping means. 3,376,054, 4–2–68, Cl. 285—174.
Poux, Charles A., to Phillips Petroleum Co. Apparatus for producing plastic articles. 3,409,941, 11–12–68, Cl. 18—14.
Povalski, Eugene A., and E. F. Bolgert, to Kohler Co. Removable valve unit with flow control device. 3,389,717, 6–25–68, Cl. 137—315.
Povlacs, Lawrence, to The Akwell Corp. Apparatus for loading prophylactic devices on test apparatus. 3,391,803, 7–9–68, Cl. 214—1.
Pow R Matic Inc.: *See*—
Stamm, Arthur. 3,415,312.
Powanda, Stephen, 10% to H. Siddley. Vehicle body sander. 3,395,495, 8–6–68, Cl. 51—170.
Powell, Alan L.: *See*—
Gosling, Cyril H., Glick, Powell, and Murray. 3,363,049.
Powell, Alva B.: *See*—
Cataldo, John B., Kussy, Farnsworth, Scheich, and Powell. 3,363,147.
Powell, Austen V.: *See*—
Giannamore, Ronald, Levy, and Powell. 3,392,322.
Powell, Benjamin O.: *See*—
Hughes, William L., and Powell. 3,408,605.
Powell, Berry O., and T. W. Findley, to Swift & Co. Water-dispersible coating compositions convertible to water resistant films. 3,370,969, 2–27–68, Cl. 106—131.
Powell, Christopher: *See*—
Worley, Norman G., and Powell. 3,393,496.
Powell, Charles W. Simulated venetian glass and method of making the same. 3,382,134, 5–7–68, Cl. 161—5.
Powell, David B.: *See*—
Mrowka, Joseph J., and Powell. 3,403,299.
Mrowka, Joseph J., and Powell. 3,403,301.
Powell, Daryl E.: *See*—
Damm, Daniel A., and Powell. 3,403,658.
Powell, Daryl E., and B. W. Spear, to Owens-Illinois, Inc. Cathode-ray tubes and method of reinforcing the tubes. 3,382,999, 5–14–68, Cl. 220—2.1.
Powell, Daryl E., and B. W. Spear, to Owens-Illinois, Inc. Cathode-ray tubes and method of reinforcing the tubes. 3,383,000, 5–14–68, Cl. 220—2.1.
Powell, Daryl E., and B. W. Spear, to Owens-Illinois, Inc. Cathode-ray and other vacuumized tubes resistant to violent devacuation. 3,403,805, 10–1–68, Cl. 220—2.1.
Powell, Daryl E., and B. W. Spear, to Owens-Illinois, Inc. Controlling and measuring the tension in the band on implosion resistant cathode ray tubes. 3,412,600, 11–26–68, Cl. 73—88.
Powell, David B., to General Electric Co. Electric circuit breaker with combined plug-in terminal and contact support. 3,383,486, 5–14–68, Cl. 200—166.
Powell, Douglas E.: *See*—
Cooper, Robert F., and Powell. 3,380,026.
Powell, Edgar R., to D. W. Zimmerman Mfg., Inc. Pneumatically-operated device for manipulating heavy loads. 3,384,350, 5–21–68, Cl. 254—172.
Powell, Edward B. Shotgun muzzle device comprising a compensator and choke. 3,367,055, 2–6–68, Cl. 42—79.
Powell, Fred B., to Monsanto Co. Rug tester. 3,382,701, 5–14–68, Cl. 73—7.
Powell, George W., to The Pangborn Corp. Continuous cleaning apparatus. 3,387,410, 6–11–68, Cl. 51—15.
Powell, Gordon F. W., and S. G. Hinton, to Molins Machine Co. Ltd. Terminal blocks for use in electrical circuits. 3,377,614, 4–9–68, Cl. 339—198.
Powell, Howard G., to Chrysler Corp. Multiple speed power transmission mechanism. 3,364,768, 1–23–68, Cl. 74—339.
Powell, Howard P. Flexible dispensing bag and semi-rigid container therefor. 3,363,807, 1–16–68, Cl. 222—105.
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Cahill, John W., Powell, and Gartner. 3,387,071.
Powell, James R., Jr., to United States of America, Atomic Energy Commission. Once-through liquid metal piston MHD generator. 3,399,315, 8–27–68, Cl. 310—11.
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Souder, Louis C., Powell, and Hajduk. 3,415,796.
Powell, John L., Jr., and M. L. Mayo. Newspaper ejecting machine. 3,375,635, 4–2–68, Cl. 53—119.
Powell, John T., Jr., to Tension Envelope Corp. Envelope with tearout section to form a window and provide a receipt and the like. 3,365,117, 1–23–68, Cl. 229—17.
Powell, John William, to Westwind Turbines, Ltd. Air driven turbines. 3,383,805, 5–21–68, Cl. 51—134.5.

Powell, Kenneth D., to Westinghouse Electric Corp. Coaxial magnetron in which the anode is welded to the body. 3,412,283, 11–19–68, Cl. 315—39.77.
Powell, Kenneth D., to Westinghouse Electric Corp. Frequency diversity coaxial magnetron. 3,414,760, 12–3–68, Cl. 315—39.59.
Powell, Mark E., and A. G. Matherly. Banding sheet laminates and materials having similar characteristics. 3,413,689, 12–3–68, Cl. 24—17.
Powell, Milton L., to Rap Industries Inc. Packaging sheet material. 3,386,645, 6–4–68, Cl. 229—55.
Powell, Noble R., to General Electric Co. Frequency modulation receiver combining frequency feedback and synchronous detection. 3,371,281, 2–27–68, Cl. 325—346.
Powell, Richard G.: *See*—
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Powell, Richard G., to ACF Industries, Inc. Railway car cushioning device. 3,378,149, 4–16–68, Cl. 213—43.
Powell, Richard G., to ACF Industries, Inc. Railway car cushioning device. 3,400,833, 9–10–68, Cl. 213—8.
Powell, Richard G., to ACF Industries, Inc. Railway car cushioning device. 3,411,635, 11–19–68, Cl. 213—8.
Powell, Robert F. Artificial bait. 3,393,465, 7–23–68, Cl. 43—42.28.
Powell, Robert J., deceased; by R. B. Powell, administratrix, to Continental Motors Corp. Starter clutch with slip coupling. 3,411,611, 11–19–68, Cl. 192—42.
Powell, Robert J., and J. E. Champion, to Continental Motors Corp. Turbocharger waste gate controller. 3,365,878, 1–30–68, Cl. 60—13.
Powell, Robert J., deceased; (R. B. Powell, administratrix) and J. E. Champion, to Continental Motors Corp. Fuel systems. 3,386,427, 6–4–68, Cl. 123—119.
Powell, Robert L.: *See*—
Hurst, Lewis W., Powell, and Penn. 3,409,998.
Powell, Ruth B.: *See*—
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Powell, Thomas C.: *See*—
Wight, Robert D., Maltman, Powell, and Olds. 3,373,629.
Powell, Thomas C., M. E. Steinle, and R. A. Yoncoskie, to The National Cash Register Co. Process of forming minute capsules en masse. 3,415,758, 12–10–68, Cl. 252—316.
Powell, Walter J.: *See*—
Heybyrne, Ernest W., and Powell. 3,363,416.
Powell, Walter W., to Anderson, Greenwood & Co. Pressure operated pop valve. 3,411,530, 11–19–68, Cl. 137—475.
Powell, William H.: *See*—
Weaver, John B., and Powell. 3,385,722.
Powell, Wilmer S.: *See*—
Einhorn, Sidney N., and Powell. 3,382,373.
Powell, Wilmer S., to Burronghs Corp. Magnetic thin film parametron. 3,395,289, 7–30–68, Cl. 307—88.
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Power Brake Equipment Co.: *See*—
Fishwood, Rollin W. 3,364,750.
Williams, Norman C. 3,386,776.
Williams, Norman C., and Everett. 3,404,867.
Williams, Norman C., and Everett. 3,408,043.
Power-Clik Corp., The: *See*—
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Power Components, Inc.: *See*—
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Wilkinson, Bruce L. 3,376,494.
Power Cores, Inc.: *See*—
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Power, Dean V.: *See*—
Lombard, David B., and Power. 3,404,559.
Power Engineering, Inc.: *See*—
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Thorburn, David H. 3,410,501.
Power, George E.: *See*—
Grosheim, Gene E., and Power. 3,373,068.
Power Jets (Research & Development) Ltd.: *See*—
Brown, James. 3,362,619.
Brown, James, and Andrews. 3,362,620.
Forsyth, Peter J. E., George, and Ryder. 3,371,407.
Power Monitors, Inc.: *See*—
Young, Glenn S., and Laudel. 3,398,368.
Powerdyne, Inc.: *See*—
Kerr, Charles E., Jr. 3,399,286.
Power-Flo Products, Inc.: *See*—
Lewis, George E. 3,370,477.
Powerlock Floors, Inc.: *See*—
Omholt, Ray E. 3,381,730.
Powermite Corp., The: *See*—
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Mela, Richard L. 3,406,653.
Powernails, Inc.: *See*—
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Powers, Charles A., and W. G. Bearden, to Pan American Petroleum Corp. Production of petroleum from unconsolidated formations. 3,366,177, 1–30–68, Cl. 166—12.
Powers Chemco, Inc.: *See*—
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Flynn, Floyd W., Bjelland, and Schutt. 3,379,436.
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Banas, Conrad M., Churchill, and Powers. 3,399,341.
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Hildebrandt, William J., Lukstas, Yerks, and Esakov, 3,386,650.
Powers, Edgar A. Kaleidoscopic viewing device. 3,383,150, 5–14–68, Cl. 350—5.
Powers, Eugene L., to Mobay Chemical Co. Purification of isocyanates by reduction of the hydrolyzable chlorine and acid content. 3,373,182, 3–12–68, Cl. 260—453.
Powers, John H.: *See*—
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Powers, John M.: *See*—
Claybaugh, Billy E., Nickerson, and Powers. 3,396,087.
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Powers, John M., and D. E. Coker, to Esso Research and Engineering Co. Purification of normal paraffins. 3,378,486, 4–16–68, Cl. 208—310.
Powers, John V.: *See*—
Grebe, Kurt R., and Powers. 3,406,107.
Powers, Larry E. Combination of paddle and flare-gun. 3,367,052, 2–6–68, Cl. 42—1.
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Powers, Norman D. Tractor front wheel mounting apparatus. 3,365,212, 1–23–68, Cl. 280—87.
Powers, Paul O.: *See*—
Mase, Gerald D., and Powers. 3,401,131.
Powers Regulator Co., The: See—
Thorburn, David H. 3,361,384.
Thorburn, David H. 3,406,928.
Powers, Richard E., to Powers Wire Products Co., Inc. Air return percussive tool. 3,363,517. 1–16–68, Cl. 91—416.
Powers, Richard E., to Powers Wire Products Co., Inc. Stick of fasteners for magazine supply. 3,374,883, 3–26–68, Cl. 206—56.
Powers, Robert A.: *See*—
Grulke, Carl A., and Powers. 3,379,574.
Powers, Robert J.: *See*—
Davis, Harold E., Jr., and Powers. 3,405,531.
Powers, Robert M., to A. E. Staley Mfg. Co. Surface-sizing of paper with cyanoethyl acid hydrolyzed starch. 3,387,998. 6–11–68, Cl. 117—156.
Powers, Robert P., to The Firestone Tire & Rubber Co. Pneumatic tire and a replaceable unit therewith. 3,392,772, 7–16–68, Cl. 152—158.
Powers, Walter H., and R. A. Heath, to Walker Mfg. Co. Muffler with resonance chambers for high and low frequencies. 3,402,785. 9–24–68, Cl. 181—48.
Powers, Walter H., and G. M. Neff, to Walker Mfg. Co. Combination tailpipe spout and silencer. 3,404,750, 10–8–68, Cl. 181—48.
Powers, Whitney S., Jr., to Powers Mfg., Inc. Aperture gauging and sorting device. 3,387,704, 6–11–68, Cl. 209—73.
Powers, William E., Jr., M. E. Novack, and P. R. Blackburn, to Avco Corp. Duct for magnetohydrodynamic devices. 3,387,150, 6–4–68, Cl. 310—11.
Powers, William H.: *See*—
Hubble, David H., and Powers. 3,414,418.
Powers, William J., Jr.: *See*—
Hude, Karl V., and Powers. 3,375,988.
Powers, William J., Jr., and N. C. Wyeth, to E. I. du Pont de Nemours and Co. Process for molding molecularly oriented plastic container closures. 3,373,238, 3–12–68, Cl. 264—322.
Powers Wire Products Co., Inc.: *See*—
Powers, Richard E. 3,363,517.
Powers, Richard E. 3,374,883.
Powertronics Co.: *See*—
Slaughter, Clarence S. 3,364,484.
Powlan, Roy Y. Surgical plaster dressing package. 3,392,826, 7–16–68. Cl. 206—47.
Powlan, Roy Y. Insulating swimming pool cover. 3,418,667, 12–31–68, Cl. 4—172.
Powley, David E.: *See*—
Farr, John B., and Powley. 3,405,527.
Poynter, Donald B.: *See*—
Turnau, Robert R., and Poynter. 3,378,263.
Poynter, Donald B. Novelty accessory for bicycles. 3,380,756, 4–30–68, Cl. 280—289.
Pozdnjakov, Petr G.: *See*—
Vasin, Ivan G., and Pozdnjakov. 3,376,439.
Pozniak, Norman J., to Brooks & Perkins, Inc. Saddle for use with flexible wrap-around printing plates. 3,416,447, 12–17–68, Cl. 101—415.1.
Poznik, William A. Electrical control system for motor vehicle. 3,391,301, 7–2–68, Cl. 315—83.
Pozzer, Bruno: *See*—
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Pozzi, Giancarlo: *See*—
Pregaglia, Gianfranco, Roffia, and Pozzi. 3,418,278.
Prachar, Otakar P., to General Motors Corp. Jet engine cooling system. 3,377,803, 4–16–68, Cl. 60—261.
Practical Automation, Inc.: *See*—
Teichner, Maurice D. 3,364,851.

Pradenas, Fernando, to Triad Enterprises. Fastening device. 3,396,482, 8–13–68, Cl. 40—2.2.

Pradenas, Fernando, to H. Koch & Sons. Electrically heatable panels. 3,418,448, 12–24–68, Cl. 219—213.

Praetzel, Hans-Eberhard: *See*—
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Price, Gail A., to Farmer Bros. Co. Coffee brewing apparatus. 3,371,593, 3-5-68, Cl. 99—283.
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Price, Robert S. Toggle action garment clasp. 3,382,549, 5-14-68, Cl. 24—245.
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Priestley, Hill M., and J. H. Wilson, to Lever Bros. Co. Detergent compositions containing sulfoxide as a suds-stabilizing agent. 3,382,180, 5-7-68, Cl. 252—152.
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Purves, Edward R., Going, and Dobson. 3,415,660.
Quimby, Oscar T. 3,366,677.
Quimby, Oscar T. 3,387,024.
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Schaewe, Arnold E., and Gastright. 3,404,509.
Sisson, James B. 3,378,876.
Sisson, James B. 3,405,031.
Skinner, David L., and Peterson. 3,418,385.
Strobel, Rudolf G. K. 3,404,985.
Thompson, James E. 3,405,148.
Thompson, James E., and Howard. 3,373,044.
Voss Jack G. 3,408,440.
Wall, Donald S. 3,365,764.
Watrous, Howard N. 3,398,660.
Wells, Edward R. 3,414,459.
Whyte, David D., Pflaumer, and Dyer. 3,400,150.
Wyness, Glen R., and Jensen. 3,379,764.
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McIntosh, Alex C., and Proctor. 3,365,589.

Proctor, Hal A. Printing head ink roller. 3,361,062, 1–2–68, Cl. 101—350.

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Proctor, Ronald. Blind nuts with resilient split tapered cage. 3,413,886, 12–3–68, Cl. 85—73.

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Thygeson, John R., Sr. 3,374,106.
Thygeson, John R., Sr. 3,376,678.
Thygeson, John R., Sr., and Allen. 3,371,428.

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Wagner, Robert J., and Manship. 3,393,900.

Proctor-Werk Alfred Gauthier, G.m.b.H.: *See*—
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Producers Chemical Co.: *See*—
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Cowan, Charles F., Jr. 3,408,144.
Czernek, Clyde F., Cox, and Turner. 3,366,004.

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Product Packaging Corp.: *See*—
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Carroll, Robert G. 3,369,552.

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Proffit, John D., and E. P. Lisenby. Needle bar and pressure foot lifting attachment with brake. 3,380,415, 4–30–68, Cl. 112—219.

Proflitt, George W., Jr. Mirror and shutter mechanism for single lens reflex photographic camera. 3,404,615, 10–8–68, Cl. 95—42.

Proflitt, James R., Jr., to Owens-Illinois, Inc. Offset plate decorating methods and apparatus. 3,404,624, 10–8–68, Cl. 101—40.

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Prohofsky, Le Roy A., to Sperry Rand Corp. Laminar circuit assembly. 3,371,249, 2–27–68, Cl. 317—101.

Proietti, Giovacchino. Miniature race course. 3,377,067, 4–9–68, Cl. 273—86.

Projahn, Emil, to Gebruder Kollisch AG. Filling valve for gas cigarette lighters. 3,391,716, 7–9–68, Cl. 141—293.

Projector, Theodore H. Three-color alternating-signal single station range light. 3,377,617, 4–9–68, Cl. 340—29.

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Rentschler, Waldemar T. 3,386,356.
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Rentschler, Waldemar T. 3,392,643.
Rentschler, Waldemar T. 3,406,619.
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Starp, Franz. 3,372,628.
Starp, Franz W. R. 3,366,024.
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Properzi, Ilario. Cooling system of a casting drum belonging to a machine for the production of metal rods. 3,411,565, 11–19–68, Cl. 164—276.

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Pryor, Cabell N., Jr., and C. R. Greene, Jr., to United States of America, Navy. One-sample real time cross-correlator. 3,373,359, 3–12–68, Cl. 324—77.
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Pryor, Michael J., D. S. Keir, and P. R. Sperry, to Olin Mathieson Chemical Corp. Alloy for cathodic protection galvanic anode. 3,368,952, 2–13–68, Cl. 204—148.
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Przybylski, Daniel F., to The Warner & Swasey Co. Material handling machine. 3,392,855, 7–16–68, Cl. 214—138.
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Ptacek, James F., to The Vendo Co. Control apparatus for multiple price vending machine. 3,367,467, 2–6–68, Cl. 194—4.

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Quaine, Robert L. Sun visor construction. 3,403,937, 10–1–68, Cl. 296—97.

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Anderson, Herman, and Trommer. 3,399,839.
Bone, David P. 3,380,832.
Brown, Lloyd H., Stigger, and Watson. 3,409,582.
Dunlop, Andrew P., Manly, and Rice. 3,415,881.

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Quality Park Envelope Co.: *See*—
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Klippert, Hans U. 3,375,362.
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Hickin, Charles W. R., and Quinlivan. 3,412,261.

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Raezer, Spencer D., to United States of America, Navy. Arc apparatus employing three dimensional arc motion and dynamic balancing. 3,416,021, 12–10–68, Cl. 313—161.

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Rait, Joseph M. Chemical testing apparatus. 3,415,627, 12–10–68, Cl. 23—253.

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Rajnoha, Jaroslav, M. Kubovy, and V. Zestkov, to Vyzkumny Ustav Bavlnarsky Ustin. Spinning device. 3,370,413, 2–27–68, Cl. 57—58.95.

Rajnoha, Jaroslav, L. Bures, and V. Vobornik, to Vyzkumny Ustav Bavlnrsky. Textile machine, particularly for ringless continuous spinning and divided into identical longitudinal sections. 3,381,458, 5–7–68, Cl. 57—1.

Rajnoha, Jaroslav, F. Ferkl, A. Plananský, M. Cerny, and Z. Silar, to Vyzkumny Ustav Bavlnarsky. Apparatus for regulating the operation of yarn spinning machines. 3,404,-524, 10–8–68, Cl. 57—81.

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Ralha, Alberto J. N. C., to Pires and Mourato Vermelho, Limitada. Process for the preparation of sterile dressings. 3,395,063, 7–30–68, Cl. 156—295.

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Rall, Waldo, to United States Steel Corp. Metal vaporization crucible with upstanding walls for confining and condensing vapor. 3,414,251, 12–3–68, Cl 266—39.

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Ralph, Russell G., and C. J. Coberly, to Kobe, Inc. Method of and apparatus for running equipment into and out of offshore wells. 3,412,789, 11–26–68, Cl. 166—.6.

Ralphs, George T., and P. Derek, to Ralphs Unified Ltd. Apparatus for use in lasting footwear. 3,412,433, 11–26–68, Cl. 18—34.

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Ralston, William K., and C. G. Barfield, to International Harvester Co. Self-stripping wire twister hook for wire balers. 3,403,619, 10–1–68, Cl. 100—31.

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Ramanathan, Visvanathan, to Ciba Ltd. Water-soluble basic mono and dis-azo dyestuffs. 3,403,143, 9–24–68, Cl. 260—158.

Ramanathan, Visvanathan, to Ciba Ltd. Cinnamoylamino-isothiazoleanthrones. 3,412,088, 11–19–68, Cl. 260—240.

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Ramcke, Carsten, to Barmer Maschinenfabrik AG. Control and switching device in mechanically or hydraulically operated traverse-motion systems in spinning, spooling and especially ring twist machines. 3,363,514, 1–16–68, Cl. 91—24.

Ramcke, Carsten, to Barmer Maschinenfabrik AG. Control and switching device in mechanically or hydraulically operated traverse-motion systems in spinning, spooling and especially ring twist machines. 3,406,918, 10–22–68, Cl. 242—26.3.

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Rami, Heinz, to Simmering-Graz-Pauker Aktiengesellschaft für Maschinen-Kessel- und Waggonbau. Hydraulic gate. 3,392,490, 7–16–68, Cl. 49—465.

Ramig, Robert J., Jr., to Teletype Corp. Self-threading tape reel. 3,414,206, 12–3–6, Cl. 242—55.11.

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Ramis, Jean. Aerosol apparatus having a chamber-like deflector. 3,369,756, 2–20–68, Cl. 239—338.

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Ramo, Oliver H., to Abington Textile Machinery Works. Variable speed control for textile carding machines. 3,364,766, 1–23–68, Cl. 74—230.17.

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Ramos, Thomas. Diglycidyl ethers of polyhydric alcohols with diamines or hydroquinones and 1,4-cyclohexadiene dioxide. 3,398,211, 8–20–68, Cl. 260—830.

Ramos, Thomas. Diglycidyl ether of polyhydric alcohols with diamines or hydroquinones and bis(2,3-epoxycyclopentyl) ether. 3,403,199, 9–24–68, Cl. 260—830.

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Ramsay, John F., and C. W. Schumacher, to United States of America, Air Force. Groundplane mounted log periodic antenna. 3,366,964, 1–30–68, Cl. 343—792.5.

Ramsay, Joseph D., to Campbell Soup Co. Material sensing system. 3,362,334, 1–9–68, Cl. 103—25.

Ramsay, Marcus, to Olin Mathieson Chemical Corp. Firearm having a revolving cylinder with an operating rod attached thereto. 3,369,314, 2–20–68, Cl. 42—39.5.

Ramsay, Marcus, to Olin Mathieson Chemical Corp. Pipe gripping and flaring apparatus. 3,412,592, 11–26–68, Cl. 72—316.

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Ramsden, Hugh E., to Esso Research and Engineering Co. Group IV–A organometallic complexes of predominantly tetranuclear aromatic catalytic cycle oil stock extracts. 3,389,157, 6–18–68, Cl. 260—429.

Ramsden, Hugh E., to Esso Research and Engineering Co. Organomagnesium addition compounds, process therefor, and derivatives thereof. 3,388,179, 6–11–68, Cl. 260—665.

Ramsell, Alberta P., to Pennyrich International, Inc. Brassiere. 3,409,017, 11–5–68, Cl. 128—486.

Ramsell, William H. Segmented beam projection system and method for bending beams. 3,375,753, 4–2–68, Cl. 88—24.

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Ramsey, James B. Safety control for automobile lighting circuits. 3,369,147, 2–13–68, Cl. 315—83.

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Räntsch, Kurt, and H. Staaden, to M. Hensoldt & Sohne Optische Werke Aktiengesellschaft. Two stage reading device for length and angle measuring scales. 3,382,370, 5–7–68, Cl. 250—237.
Rantsch, Kurt, and O. Trotscher, to C. Zeiss. Interpolation device. 3,400,391, 9–3–68, Cl. 340—347.
Rantsch, Kurt, A. Weyrauch, O. Trotscher, and O. Ambrosius, to Carl Zeiss-Stiftung, d.b.a. C. Zeiss. Correction indicating device for the tilt of a sliding carriage of a tool holder. 3,405,257, 10–8–68, Cl. 235—151.11.
Rantz, Robert W., to Abex Corp. Railroad car handling apparatus. 3,407,750, 10–29–68, Cl. 104—162.
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Ranzi, Ubaldo. Method to start high-powered machines by means of centrifugal powder or granular type joints. 3,374,-871, 3–26–68, Cl. 192—58.
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Rao, Mlarur L. B., to P. R. Mallory & Co., Inc. Organic electrolyte cells. 3,413,154, 11–26–68, Cl. 136—100.
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Rapp, Willard E., to Western Electric Co., Inc. Quick connect solderless wire conector. 3,405,385, 10–8–68, Cl. 339—97.
Rappaport, Max, to Cutler-Hammer, Inc. Integrated sheet production control system. 3,411,388, 11–19–68, Cl. 83—76.
Rappe, Carl M. C. Process of preparing cis-β-haloacrylic acids. 3,385,889, 5–28–68, Cl. 260—539.
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Raschke, Herbert A., to E. D. Bullard Co. Distribution and control manifold for air purifying apparatus. 3,390,514, 7–2–68, Cl. 55—270.
Raschke, Robert M., and J. C. Field. Package for square and round sliced products. 3,415,663, 12–10–68, Cl. 99—174.
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Rashbaum, Abraham. Toothbrush having pivotal bristle carrying members. 3,398,421, 8–27–68, Cl. 15—167.
Rasiel, Amram, to EG & G Inc. Differentiator circuit using a pair of current switching transistors. 3,411,016, 11–12–68, Cl. 307—229.
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Rasmussen, Carl E. Strawberry harvester. 3,389,542, 6–25–68, Cl. 56—331.
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Ratkevich, Adam E., J.-C. Bensimon, and R. L. Naylor, to The Ryan Aeronautical Co. Multi-beam resonant planar slot array antenna. 3,363,253, 1–9–68, Cl. 343—771.
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Ratliff, Harvey L., Jr., to Jetru, Inc. Stereo-rama motion picture machine. 3,379,489, 4–23–68, Cl. 352—60.
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Rausch, Richard E., to Universal Oil Products Co. Reforming process with monofluoride treated noble metal catalyst. 3,410,790, 11–12–68, Cl. 208—139.

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Raymond, Richard L., J. D. Douros, Jr., and J. J. Melchiore, to Sun Oil Co. Inhibiting the growth of sludge forming microorganisms in storage facilities. 3,361,546, 1–2–68, Cl. 44—70.

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Mitchell, Reid L., Murphy, and Allen. 3,364,062.

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Redman, Lawrence E. Electric vehicle. 3,374,849, 3–26–68, Cl. 180—65.

Redman, Lawrence E., to Garbage Service Co. Method for treating organic and inorganic waste material. 3,419,377, 12–31–68, Cl. 71—9.

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Redmond, John C., to General Dynamics Corp. Inertial impact probe instrument. 3,380,294, 4–30–68, Cl. 73—82.

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Redmond, William G., Jr. Control circuit for moving closures to closed position upon the occurrence of precipitation. 3,386,022, 5–28–68, Cl. 318—483.

Rednessy, William L. Two-way friction control hitch. 3,414,-295, 12–3–68, Cl. 280—511.

Rednick, Alvin B., and M. Secora, to Smith Kline & French Laboratories. Pharmaceutical tablets coated with wax-free ammonia solubilized water soluble shellac. 3,390,049, 6–25–68. Cl. 167—82.

Redniss, Alexander. Method of preparing sodium sulfate and hydrogen chloride. 3,363,977, 1–16–68, Cl. 23—121.

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Redwine, Fletcher H., and W. F. Osborn, to Arps Corp. Formation resistivity measurement while drilling utilizing physical conditions representative of the signals from a toroidal coil located adjacent the drilling bit. 3,408,561, 10–29–68, Cl. 324—6.

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Ree, Harry A. Automobile headlamp circuit with a self-holding and extinguishing circuit controlled by the ignition switch. 3,376,467, 4–2–68, Cl. 315—82.

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Reed, Bert A. Self-aligning rear vision mirrors. 3,383,154, 5–14–68, Cl. 850—293.

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Reed, Carl G., to IRC, Inc. Tensioner. 3,384,322, 5–21–68, Cl. 242—156.2.

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Reed, Clifton W. Computer-scaler. 3,413,450, 11–26–68, Cl. 235—92.

Reed, Dale H., H. F. Dunlap, T. S. Hutchinson, R. E. McCallum, and W. C. Pritchett, to The Atlantic Refining Co. Chlorine logging system comprising detecting 5.0 to 6.5 mev. gamma rays. 3,368,075, 2–6–68, Cl. 250—83.3.

Reed, Dale H., H. F. Dunlap, and W. C. Pritchett, to Atlantic Co. Shielding array for chlorine logging sonde utilizing neutron and gamma ray shielding elements. 3,389,258, 6–18–68, Cl. 250—108.

Reed, Dale H., H. F. Dunlap, T. S. Hutchinson, R. E. McCallum, and W. C. Pritchett, to Atlantic Richfield Co. Method of calibrating the scintillation detector of a chlorine logging system. 3,394,256, 7–23–68, Cl. 250—71.5.

Reed, Daniel J., to A. O. Smith Harvestore Products, Inc. Unloading mechanism for a storage structure. 3,394,825, 7–30–68, Cl. 214—17.

Reed, David D., E. Moroz, and J. M. Petersen, to Texaco, Inc. Product of reaction of an epoxy resin with a hydrolyzed polyolefin-P_2S_5 amine reaction product and lubricating oil containing same. 3,389,086, 6–18–68, Cl. 252—46.7.

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Reed, Thomas S., and E. S. Staunch, Jr., to Borg-Warner Corp. Adjustable steering mechanism. 3,386,309, 6–4–68, Cl. 74—493.

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Reeder, Jerry R., and R. W. Bergman, to Ethicon Inc. Process and apparatus for making continuous strings from animal gut. 3,389,546, 6–25–68, Cl. 57—35.

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Remy, Hermann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Sulfation using amidosulfonic acid in an inert solvent. 3,372,170, 3–5–68, Cl. 260—372.
Remy, Hermann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Sulfation using sulfamic acid in an inert solvent. 3,372,171, 3–5–68, Cl. 260—374.
Remy, Hermann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Copper-containing dis-, tris- and tetrakisazo dyestuffs of resorcin with β-oxyethylsulfonesulfuric acid ester groups. 3,380,989, 4–30–68, Cl. 260—145.
Remy, Hermann, to Rowenta Metallwarenfabrik G.m.b.H. Gas lighter with electric spark ignition. 3,399,023, 8–27–68, Cl. 431—255.
Remy, Hermann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing acid sulfuric acid esters from aromatic compounds containing β-hydroxyethylsulfonyl groups. 3,414,579, 12–3–68, Cl. 260—310.
Remy, Hermann, and K. Wohlfart, to Rowenta Metallwarenfabrik G.m.b.H. Electric coffeemaker for domestic use. 3,371,592, 3–5–68, Cl. 99—282.
Remy, Hermann, and J. Wenghöfer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-soluble yellow monoazo pyrazolone dye. 3,385,843, 5–28–68, Cl. 260—163.
Remy, Hermann, O. Adler, and F. Heberer, to Rowenta Metallwarenfabrik GmbH. Gas-fueled lighter. 3,418,821, 12–31–68, Cl. 62—52.
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Renault, Claude, to Compagnie de Saint-Gobain. Antifelting process for keratinous materials. 3,397,942, 8–20–68, Cl. 8—127.6.
Renault, Claude, to Produits Chimiques Pechiney Saint-Gobain. Treatment of keratinous materials. 3,397,943, 8–20–68, Cl. 8—127.6.
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Wolfes, Wolfgang, Renckoff, and Huelsmann. 3,379,695.
Renckhoff, Gustav, and H.-L. Hülsmann, to Chemische Werke Witten G.m.b.H. Process for the preparation of aryl esters of carbocyclic carboxylic acids. 3,389,164, 6–18–68, Cl. 260—468.
Rendessy, William L. Trailer hitch. 3,393,923, 7–23–68, Cl. 280—432.
Rendos, John J., to Air Reduction Co., Inc. Process for removing radioactive materials from the environment of an atomic reactor. 3,404,067, 10–1–68, Cl. 176—37.
Renee, William C. Combination toothbrush and sipping tube. 3,361,355, 1–2–68, Cl. 239—33.
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Merritt, Robert E., and Nichols. 3,387,395.
Renfro, John C. Apparatus for growing water plants commercially. 3,402,506, 9–24–68, Cl. 47—1.2.
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Renken, Claus J., Jr., and A. Sather, to United States of America, Atomic Energy Commission. Pulsed nondestructive eddy current testing device using shielded specimen encircling coils. 3,361,960, 1–2–68, Cl. 324—40.
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Renkey, Albert L., to Dresser Industries, Inc. Induction furnace having a composite lining composed of refractory brick. 3,401,226, 9–10–68, Cl. 13—35.
Renkey, Albert L., and P. T. Troell, to Dresser Industries, Inc. Induction furnace. 3,399,267, 8–27–68, Cl. 13—30.
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Renner, Carl E. Vacuum cleaner construction for use inside tanks. 3,407,430, 10–29–68, Cl. 15—314.
Renner, Donald J., to F. W. Bell, Inc. Method and apparatus for demagnetization of multipole magnetic devices. 3,418,542, 12–24–68, Cl. 317—157.5.
Renner, Gerda, H. Schneider, and A. Schwarzkoff, to Windmoller & Holscher. Carrying handle. 3,363,827, 1–16–68, Cl. 229—54.
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Renner, Thomas, to Merchants' Metal Trimming Co. Handle mounting. 3,384,208, 5–21–68, Cl. 190—58.
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Rensch, Eberhard G. Structural unit and structure incorporating same. 3,372,518, 3–12–68. Cl. 52—227.
Rensch, Eberhard G. Structural assembly. 3,374,593, 3–26–68, Cl. 52—283.
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Rense, Rudolph J., to The Lubrizol Corp. Process for preparing basic alkyl phenolic compositions. 3,372,118, 3–5–68, Cl. 252—42.7.
Renshaw, Clarence. Installation for preserving fresh-water supply. 3,380,252, 4–30–68. Cl. 61—1.
Renshaw, Floyd H., Jr., to AMP, Inc. Electrical connector and insulation housing therefor. 3,373,397, 3–12–68, Cl. 339—47.
Renshaw, John F., & Co., Ltd.: *See*—
Redfern, Ronald. 3,417,931.
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Meyer, Franz-Josef, Rensmann, and Dorrscheidt. 3,410,-709.
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Rentschler, John J., and L. J. Urbashich, to Minnesota Rubber Co. Fluid seal. 3,418,001, 12–24–68, Cl. 277—165.
Rentschler, Philip B. Pipe juncture covering device and applying method. 3,367,358, 2–6–68, Cl. 137—375.
Rentschler, Waldemar T., to Prontor-Werk Alfred Gauthier, G.m.b.H. Photographic camera with channel-correlated scale. 3,363,529, 1–16–68, Cl. 95—64.
Rentschler, Waldemar T., to Prontor-Werk Alfred Gauthier, G.m.b.H. Photographic camera with exposure meter having compensating circuit for use in making both ambient light exposures and flash exposures. 3,368,468, 2–13–68, Cl. 95—10.
Rentschler, Waldemar T. Photographic shutter with electronically controlled timing. 3,368,469, 2–13–68, Cl. 95—53.
Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic camera with independently adjustable controls for distance and diaphragm aperture values. 3,386,356, 6–4–68, Cl. 95—10.
Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic shutter with electronically-controlled exposure timing device. 3,386,363, 6–4–68, Cl. 95—53.
Rentschler, Waldemar T., to Prontor-Werke Alfred Gauthier G.m.b.H. Photographic camera having automatic daylight and flash exposure control with electrical compensation of coupled exposure meter during flash exposures. 3,392,643, 7–16–68, Cl. 95—10.
Rentschler, Waldemar T., to Prontor-Werk Alfred Gauthier, G.m.b.H. Flash attachment device for photographic cameras. 3,406,619, 10–22–68, Cl. 95—10.
Rentschler, Waldemar T., to Prontor-Werk Alfred Gauthier, G.m.b.H. Camera with semi-automatic diaphragm operation for photoflash exposures. 3,412,663, 11–26–68, Cl. 95—11.
Rentschler, Waldemar T., F. W. R. Starp, and H. K. Mutterer, to Prontor-Werk Alfred Gauthier G.m.b.H. Release device for a photographic camera. 3,418,910, 12–31–68, Cl. 95—53.3.
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Freund, Isaac, and Rentzepis. 3,364,433.
Pao, Yoh-Han, and Rentzepis. 3,402,979.
Rentzepis, Peter M., to Bell Telephone Laboratories, Inc. Harmonic generating crystalline polymers and devices using same. 3,395,329, 7–30–68, Cl. 321—69.
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Renz, Jany, J.-P. Bourquin, and G. Schwarb, to Sandoz Ltd. (also known as Sandoz A.G.). Phenothiazine derivatives. 3,413,290, 11–26–68, Cl. 260—243.
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Repko, John P., to Dow Chemical Co. Dispensing container for displaying articles on a surface. 3,372,802. 3–12–68, Cl. 206—78.
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Repko, Louis L., and A. O. Simko, to Ford Motor Co. Governor for fuel injection pump assembly. 3,392,590, 7–16–68, Cl. 73—534.
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Reppe, Walter, and A. Magin, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of hydroquinones. 3,394,193, 7–23–68, Cl. 260—621.
Reppe, Walter, and A. Magin, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of esters of unsaturated aliphatic dicarboxylic acids. 3,396,191, 8–6–68, Cl. 260—485.
Repper, Theodore, Jr. Article transfer mechanism. 3,375,941, 4–2–68, Cl. 214—26.
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Kornick, John B., and Broestl. 3,397,626.
Mandula, Joseph M., Judd, and Skipper. 3,418,567.
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Resnik, Arnold E., and W. F. Williams, to United States of America, Navy. Random frequency modulation correlation fuze system. 3,419,861, 12–31–68, Cl. 343—7.

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Restaino, Alfred J., and R. F. Hornbeck, to Atlas Chemical Industries, Inc. Radiochemical synthesis of cycloalkanols and cycloalkanones. 3,368,955, 2–13–68, Cl. 204—162.

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Wegmann, Ludwig, Reth, Weber, and Rebuschat. 3,367,-037.

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Rethorst, Scott C. Aircraft wing system having zero induced drag. 3,369,775, 2–20–68, Cl. 244—41.

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Retz, Philip. Snow melting system. 3,381,680, 5–7–68, Cl. 126—343.5.

Retzloff, James B., and R. G. Abowd, Jr., to Ethyl Corp. Lubricating oil compositions. 3,368,971, 2–13–68, Cl. 252—33.4.

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Reus, John F., M. E. Anderson, and C. S. Balaz, to Friden, Inc. Platen control means in postage meter machines. 3,363,-549, 1–16–68, Cl. 101—91.

Reusch, Gotthilf, to J. Eberspacher. Venting structure for roofs and the like. 3,410,194, 11–12–68, Cl. 98—42.

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Mindell, Marvin I., Reusch, Wechsler, and Rudzitis 3,402,983.

Reusser, Fritz: *See*—
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Reusser, Robert E., to Phillips Petroleum Co. Conversion of ethylene to higher 1-olefins. 3,375,296, 3–26–68, Cl. 260—683.15.
Reut, Richard, and B. H. Baldridge, to The Foxboro Co. Process back-up system. 3,377,623, 4–9–68, Cl. 340—172.5.
Reuteler, Johann F., to Pratt & Whitney, Inc. Numerical control system. 3,417,303, 12–17–68, Cl. 318—18.
Reuteler, Johann F., and E. E. Kirkham, to Pratt & Whitney, Inc. Numeric control and servo system. 3,414,787, 12–3–68, Cl. 318—18.
Reutenauer, Georges, S. L. and M. E. Boyer, and M.-C. and A. L. Pretescille, to Eastman Kodak Co. High contrast photographic emulsions. 3,393,073, 7–16–68, Cl. 96—114.
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Reuter, Guido, W. Jesdinsky, and E. Werthmoller, to Rheinstahl ECO G.m.b.H. Suction device for an electric arc furnace. 3,379,426, 4–23–68, Cl. 266—31.
Reuter, John, Jr. Gulf club head attaching means. 3,410,558, 11–12–68, Cl. 273—80.2.
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Reuther, Richard. Parallel bars and cable support therefor. 3,398,882, 8–20–68, Cl. 272—63.
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Reutlinger, Wolf-Dieter. 3,382,629.
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Revell, Alan E., and O. C. Parrott, to American Air Filter Co., Inc. Sealing arrangement for roll-type filters. 3,408,795, 11–5–68, Cl. 55—354.
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Revolinsky, Eugene, D. J. Beerntsen, and G. A. Spiering, to Allis-Chalmers Mfg. Co. Anisotropic superconductor. 3,406,362, 10–15–68, Cl. 335—216.
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Rexer, Ernst, K. Schlaubitz, E. Zedler, and D. Muller, to Deutsche Akademie der Wissenschaften Zu Berlin. Method for deforming metal single crystals. 3,413,204, 11–26–68, Cl. 204—140.5.
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Rey, Hans-Georg, and P. Rieckmann, to C. F. Boehringer & Soehne G.m.b.H. Test paper for the determination of protein in biological fluids. 3,418,079, 12–24–68, Cl. 23—253.
Rey, Hans-Georg, and P. Rieckmann, to C. F. Boehringer & Soehne G.m.b.H. Hydrophobic test strip for analyzing whole blood. 3,418,083, 12–24–68, Cl. 23—253.
Rey, Louis, to l'Air Liquide. Method for preparing and conserving free radicals. 3,408,276, 10–29–68, Cl. 204—157.1.
Rey-Bellet, Gerald, and H. Spiegelberg, to Hoffmann-La Roche Inc. 5-tertiaryaminoalkylidene dibenzocycloheptadiene compounds, and salts thereof. 3,384,663, 5–21–68, Cl. 260—570.8.
Reyburn, Nathaniel R., to Owens-Illinois, Inc. Apparatus for molding preforms of thermosetting plastics. 3,389,427, 6–25–68, Cl. 18—4.
Reyes, Robert M. Power-driven semi-automatic hair curler. 3,389,708, 6–25–68, Cl. 132—34.
Reyes, Zoila, to International Business Machines Corp. Process for preparation of microcapsules. 3,405,070, 10–8–68, Cl. 252—316.
Reyes, Zoila, to International Business Machines Corp. Process of making microcapsules. 3,405,071, 10–8–68, Cl. 252—316.
Reyle, Walter. Aircraft of large wing span. 3,397,854, 8–20–68, Cl. 244—55.
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Reynders, Anton, to North American Philips Co., Inc. Apparatus for feeding articles to an endless or closed path conveyor. 3,399,045, 8–27–68, Cl. 65—155.

Reynders, John R., and A. Kegel, to North American Philips Co., Inc. Transmission channel switching device responsive to channel noise. 3,365,666, 1-23-68, Cl. 325—2.

Reynders, Willen, to Hunter Douglas International Ltd. Ventilated ceiling with valve means. 3,366,029, 1-30-68, Cl. 98—40.

Reyner, Noel L., to Bausch & Lomb Inc. Electrical circuit for rapidly driving an inductive load. 3,411,045, 11-12-68, Cl. 317—123.

Reynold, E. Holmen, to Minnesota Mining and Mfg. Co. 9-methyl-3,4,5,6-dibenzoxanthene-9-propionic acid. 3,382,-252, 5-7-68, Cl. 260—335.

Reynolds, Aaron G., to Reynolds Research & Mfg. Corp. Land leveling equipment. 3,416,612, 12-17-68, Cl. 172—784.

Reynolds, Alger P., E. M. Flanerty, Jr., and L. A. Wilson, to S. D. Warren Co. Make ready method. 3,391,637, 7-9-68, Cl. 101—401.3.

Reynolds, Andrew C., Jr., O. H. Chalker, and R. R. Lupkas, to Control Data Corp. Automatic card reading system. 3,371,193, 2-27-68, Cl. 235—61.11.

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Reynolds, Charles E., to AMP Inc. Electrical connector and electrical terminals therefor. 3,417,362, 12-17-68, Cl. 339—17.

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Reynolds, Clifford J., to Owens-Illinois Inc. Method for molding glass articles and releasing the articles from the mold. 3,361,551, 1-2-68, Cl. 65—25.

Reynolds, Curtiss A., to Rehnberg-Jacobson Mfg. Co., Inc. Bearing ball greasing machine. 3,374,862, 3-26-68, Cl. 184—1.

Reynolds, David P., and E. G. Maeder, to Reynolds Metals Co. Package construction and method of making the same or the like. 3,387,702, 6-11-68, Cl. 206—65.

Reynolds, Delbert D., to Eastman Kodak Co. Process for the preparation of new linear condensation polymers. 3,370,048, 2-20-68, Cl. 260—79.3.

Reynolds, Delbert D., and J. F. Tinker, to Eastman Kodak Co. Ether-amines used as gelatin hardeners. 3,408,198, 10-29-68, Cl. 96—111.

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Reynolds, Donald W., to Jackson Vibrators, Inc. Tamper blade suspension assembly. 3,387,567, 6-11-68, Cl. 104—12.

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Reynolds, Gibson, and J. Doniger, to The Bendix Corp. Aircraft control system for lateral runway alignment. 3,417,-945, 12-24-68, Cl. 244—77.

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Reynolds, Hugh W., to Weyerhaeuser Co. Lumber dryer and drying method. 3,386,183, 6-4-68, Cl. 34—48.

Reynolds, Jack B., and R. A. Stowe, to The Dow Chemical Co. Apparatus and method for recovering solids. 3,408,746, 11-5-68, Cl. 34—10.

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Reynolds, James A., to Reserve Mining Co. Infeed and sealing means for grinding mills. 3,401,893, 9-17-68, Cl. 241—171.

Reynolds, James C., to Westinghouse Electric Corp. Refrigeration systems having air-cooled condenser coils. 3,364,692, 1-23-68, Cl. 62—184.

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Reynolds, Jay W., and H. J. Stripling, Jr., to United States of America, Atomic Energy Commission. Method and system for non-destruction inspection of variable density plates. 3,372,276, 3-5-68, Cl. 250—83.3.

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Reynolds, Jesse L., to Woare Builders Supply Co. Handling device. 3,374,024, 3-19-68, Cl. 294—16.

Reynolds, John L., Jr. Power float. 3,374,717, 3-26-68, Cl. 94—45.

Reynolds, John S., to The General Electric Co. Ltd. Automatic frequency control using voltage transitions of an input reference signal. 3,376,517, 4-2-68, Cl. 331—18.

Reynolds, Joseph B., Jr.: *See*—
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Reynolds, Linton C., and J. W. Shirley, deceased (by N. A. Hannah, administratrix), to Riegel Textile Corp. Laminated breathable textile product and method of manufacturing same. Re. 26,473, 10-8-68, Cl. 161—148.

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Reynolds, Robert J., deceased, by K. I. Bennett, executrix, to Reynolds Precision Products Co., Inc. Archery bow with adjustably mounted line support. 3,377,999, 4–16–68, Cl. 124—24.

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Reynolds, Rollin A., to Dyna Systems Inc. Method of and means for controlling the removal of material with a cutting tool. 3,389,313, 6–18–68, Cl. 318—39.

Reynolds, Royal E.: *See*—
Baum, Bernard O., Walton, and Reynolds. 3,402,098.

Reynolds, Thomas D., to R. J. Reynolds Tobacco Co. Sheet metal shaping apparatus and method. 3,373,585, 3–19–68, Cl. 72—57.

Reynolds, Thomas J.: *See*—
McIntyre, Maurice J., Cheldelin, and Reynolds. 3,378,232.

Reynolds, Vining T. System for separating the in-phase waves from the out-of-phase waves detected by plural geophones. 3,386,076, 5–28–68, Cl. 340—15.5.

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Rice, Harold W., to Robertshaw Controls Co. Water temperature pneumatic selection means. 3,391,710, 7–9–68, Cl. 137—624.2.
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Rice, Leslie R., to Westinghouse Electric Corp. Series connected, slave triggered, controlled rectifier assemblies. 3,412,312, 11–19–68, Cl. 321—11.
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Rice, Richard E., to Comstock & Wescott Inc. Heating system. 3,382,917, 5–14–68, Cl. 165—39.
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Rich, Anthony J., and A. K. Stankevicius. In and out register and pager system having indicators at remote and central stations. 3,418,650, 12–24–68, Cl. 340—311.
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Richards, Cecil G. F., to B. C. Richards & Co. Pty. Ltd. Seat for ball valve and ball valve using the seat. 3,387,815, 6–11–68, Cl. 251—174.
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Richards, Dennis, F. Bader, and G. P. Magoos, to United States of America, Navy. Missile flight simulator. 3,374,679, 3–26–68, Cl. 73—432.
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Rickey, Robert B., and H. B. King, to Gym-Pak Corp. Combined exerciser and body-vibrating apparatus. 3,411,497, 11–19–68, Cl. 128—33.

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Barozzi, Gian P., and Horeschi. 3,410,484.

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Riddle, Cecil, to National Research Development Corp. Time measuring circuits. 3,404,344, 10–1–68, Cl. 328—129.

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Riddle, Grant C., to International Telephone and Telegraph Corp. Method of making a sandwich resistor. 3,390,453, 7–2–68, Cl. 29—620.

Riddle, John B., A. B. Bergh, and C. O. Forge, to Micro-Magnetic Industries, Inc. Apparatus for recognizing printed currency. 3,362,532, 1–9–68, Cl. 209—73.

Riddle, John B., A. B. Bergh, and C. O. Forge. Detection apparatus. 3,391,388, 7–2–68, Cl. 340—149.

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Jones, Richard S., Summers, and Riddle. 3,384,198.

Riddle, Lavis A. H., to Westland Aircraft Ltd. Flexible skirt components for air cushion vehicles. 3,375,894, 4–2–68, Cl. 180—128.

Ride, Gerry, and G. F. Ziegler, to Bausch & Lomb Inc. Progressively powered singlets for a planatic optical objective for spherical interferometers. 3,391,974, 7–9–68, Cl. 350—214.

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Ridgway, James S., to Monsanto Co. Novel terpolyamides from phenylindan carboxylic acid. 3,380,968, 4–30–68, Cl. 260—78.

Ridgway, James S., to Monsanto Co. Terpolyamides. 3,388,099, 6–11–68, Cl. 260—47.

Ridgway, James S., to Monsanto Co. Novel copolyamides of phenylindan carboxylic acid. 3,383,368, 5–14–68, Cl. 260—78.

Ridgway, James S., to Monsanto Co. Novel terpolyamides of aliphatic and aromatic acids and process. 3,383,369, 5–14–68, Cl. 260—78.

Ridings, James L., to Westinghouse Electric Corp. Electromagnetic control device having a predetermine radial air gap which remains substantially constant independently of the wear of the armature and associated stationary magnetic structure. 3,371,297, 2–27–68, Cl. 335—170.

Ridler, Desmond S., R. George, J. A. W. Butcher, and R. Kitajewski, to International Standard Electric Corp. Transfluxor storage matrix. 3,417,383, 12–17–68, Cl. 340—174.

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Ridley, Walter H., to The Foxboro Co. Method and apparatus for cooling and rinsing. 3,406,413, 10–22–68, Cl. 8—158.

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Himmelmann, Wolfgang, Riebel, and Muller. 3,396,029.

Riebel, Alexander, H. Ulrich, W. Himmelmann, and K.-H. Britz, to Agfa Aktiengesellschaft. Image-receiving material for the production of photographic images by the silver salt diffusion process. 3,368,896, 2–13–68, Cl. 96—29.

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Rieckmann, Peter, H. Schalk, and E. Theel, to C. F. Boehringer and Soehne, G.m.b.H. Sugar- and polyethylene glycol-coated dragees, non-sticking together, or to dragee-making kettles. 3,395,213, 7–30–68, Cl. 424—32.

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Riedel, Anton, and H. Schifferle. Cable guiding channel. 3,403,220, 9–24–68, Cl. 174—101.

Riedel, Daniel P., to Vindale Corp. Mobile home heating system. 3,419,215, 12–31–68, Cl. 237—28.

Riedel, Erich O., and H. P. Hagelucken, to C. K. Walther. Machine for working on materials. 3,390,867, 7–2–68, Cl. 259—81.

Riedel, Franz, to Th. & Albrecht Kieserling. Apparatus for shaving pipes and the like. 3,363,493, 1–16–68, Cl. 82—20.

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Riegelman, Harry M., to Ador Corp. Reversible sliding door and window construction. 3,370,383. 2–27–68. Cl. 49—425.
Rieger, Carl J., and C. A. Quinn, to The Mearl Corp. Process for producing stabilized titanium dioxide pigments. 3,418,-146 12–24–68 Cl. 106—300.
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Rieger, Kurt. Handle for shopping bags and the like. 3,362,-598, 1–9–68, Cl. 224—45.
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Riel, Gordon K., to United States of America, Navy. System for measuring radioactive isotopes in dilute solution. 3,409,-771, 11–5–68, Cl. 250—88.
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Riener, Edward F., and T. J. Durkin, to Rohm & Haas Co. Process for reducing the 2,4-dialkylphenol content in the manufacture of monoalkylphenol. 3,417,151, 12–17–68, Cl. 260—624.
Rienks, Frits, and R. Koch, to General Dynamics Corp. Low friction wire support for consumable electrode torch. 3,401,-859, 9–17–68, Cl. 226—196.
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Rites, Gottfried. Method and apparatus for drying objects such as cars. 3,405,453. 10–15–68, Cl. 34—9.
Ries, Hugo, ½ to A. A. Allen, and ½ to H. Z. Marx. Audio transducer. 3,366,749, 1–30–68, Cl. 179—115.5.
Ries, Raymond J. Unitary planter with bottom flange. 3,396,-488, 8–13–68, Cl. 47—33.
Riesberg, Kenneth D., and P. U. Gaul, Jr., to Donaldson Co., Inc. Liquid and gas separator. 3,386,230, 6–4–68, Cl. 55—337.
Riesberg, Robert E. Method of cleaning paper planographic plates. 3,394,653, 7–30–68, Cl. 101—465.
Riesenberg, James H., to Consolidated Packaging Machinery. Constant level filling machine. 3,385,328, 5–28–68, Cl. 141—96.
Riesenberg, James H., to Consolidated Packaging Machinery Corp. Filling machine with adjustable fill height control. 3,386,480, 6–4–68, Cl. 141—147.
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Riester, Oskar, to Agfa Aktiengesellschaft. Cyanine dyestuffs. 3,379,727, 4–23–68, Cl. 260—256.5.
Riester, Oskar, and M. Glass, to Agfa Aktiengesellschaft. Optically sensitized photographic materials containing neutrocyanine dyes. 3,385,707, 5–28–68, Cl. 96—102.
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Rietdijk, Johan A., to North American Philips Co., Inc. Device for maintaining objects at a low temperature of the kind comprising a container for boiling liquids, having a heat-insulating wall. 3,368,361, 2–13–68, Cl. 62—45.
Rietdijk, Johan A., to North American Philips Co., Inc. Rolling diaphragm device with inertia force compensating means. 3,372,624, 3–12–68, Cl. 92—84.
Rietdijk, Johan A., and G. Prast, to North American Philips Co., Inc. Apparatus for transporting cold to a remote location using an expansion ejector. 3,383,871, 5–21–68, Cl. 62—6.
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Rietsch, Eberhard, to Theodor Wuppermann, Gesellschaft mit beschrankter Haftung. Method and apparatus for electric resistance flash welding. 3,398,254, 8–20–68, Cl. 219—97.
Rietsch, Eberhard, to Theodor Wuppermann, Gesellschaft mit beschrankter Haftung. Method and apparatus for chucking workpieces for electric resistance welding employing constant pressure contact jaws. 3,400,240, 9–3–68, Cl. 219—97.
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Riggs, Olen L., Jr.: *See*—
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Riggs, Olen L., Jr., and J. D. Sudbury, to Continental Oil Co. Agent for increasing viscosity of water-containing compositions. 3,361,313, 1–2–68, Cl. 252—8.55.
Riggs, Peter P., to MacWhyte Co. Strand and rope. 3,391,531, 7–9–68, Cl. 57—149.
Riggs, Robert F., and D. L. Teague, to Sperry Rand Corp. Proximity warning system. 3,396,390, 8–6–68, Cl. 343—11.
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Rightmire, Robert A., and E. S. Buzzelli, to The Standard Oil Co. Tungsten oxide-containing composite electrode. 3,410,731, 11–12–68, Cl. 136—100.
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Rigondaud, Guy F., to Societe E. Lefoyer & Cie. Tracing implements. 3,361,516, 1–2–68, Cl. 401—292.
Rigondaud, Guy F., to Societe E Le Foyer & Cie. Tracing implements. 3,365,744, 1–30–68, Cl. 401—198.
Rigor, Herbert W. Medicine bottle. 3,399,764, 9–3–68, Cl. 206—1.5.
Rigot, Roger, to CSF-Compagnie Generale de Telegraphie Sans Fil. Mercury vapor generating means for discharge tubes. 3,401,296 9–10–68, Cl. 313—174.
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Bridges, Thomas J., and Rigrod. 3,414,839.
Rigrod, William W., to Bell Telephone Laboratories, Inc. Optical maser for higher order modes. 3,403,349, 10–1–68, Cl. 331—94.5.
Rigterink, Preston D., and R. L. Van Huis, to Big Dutchman, Inc. Animal feeder construction. 3,394,681, 7–30–68, Cl. 119—52.
Rigterink, Raymond H., to The Dow Chemical Co. Sulfamoylpyridyl phosphorothioates and intermedintes therefor. 3,378,565, 4–16–68, Cl. 260—294.8.
Rigterink, Raymond H., to The Dow Chemical Co. Thio-, sulfinyl-, and sulfonyl-pyridyl phosphorothioate derivatives. 3,385,859, 5–28–68, Cl. 260—294.8.
Rigterink, Raymond H., to The Dow Chemical Co. O-(cyanopyridyl)O,O'-di-lower-alkyl phosphate and phosphoro thioate esters and derivatives thereof. 3,399,205, 8–27–68, Cl. 260—294.8.
Rijnders, Johannes, and W. Elenbaas, to North American Philips Co. Vehicle headlights with profiled cover glasses. 3,375,363, 3–26–68, Cl. 240—41.25.
Rijnders, Willem, to Hunter Douglas International Ltd. Wall or ceiling covering of oblong segments or panels and intermediate profiled member therefor. 3,410,043, 11–12–68, Cl. 52—303.
Rijnsdorp, Johannes E., to Shell Oil Co. Apparatus for the automatic control of the quality of the separation in a distillation process by maintaining a constant ratio of vapor flow to reflux flow. 3,374,152, 3–19–68, Cl. 202—158.
Rijnsdorp, Johannes E., to Shell Oil Co. Method and apparatus for the control of a continuously operating distillation process by maintaining the ratio of vapor flow to internal reflux flow constant. 3,378,464, 4–16–68, Cl. 203—1.
Rijnsdorp, Johannes E., J. A. Van Kampen, and H. Bollen, to Shell Oil Co. Apparatus for the automatic control of a continuous distillation operation for maintaining a constant ratio of bottom product flow to heat input flow. 3,415,720, 12–10–68, Cl. 202—181.
Rike, James L., R. C. Babb, and E. L. Potts, said Potts and said Babb assors. to Brown Oil Tools, Inc., and said Rike, assors. to Esso Production Research Co. Apparatus for running pipe. 3,373,818, 3–19–68, Cl. 166—77.
Rike, Richard C., to General Motors Corp. Brake lining wear signal with centrifugal control. 3,381,653, 5–7–68, Cl. 116—114.
Rike, Richard C., and T. A. Bratten, to General Motors Corp. Master cylinder assembly. 3,412,556, 11–26–68, Cl. 60—54.6.
Rike, Zeb W., III, to E. I. du Pont de Nemours and Co. Cyclic oligomer recovery process. 3,365,507, 1–23–68, Cl. 260—666.
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Riley, Aubrey E., to Samuel Denison & Son, Ltd. Extensometers. 3,402,472, 9–24–68, Cl. 33—147.
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Riley, Clay W., and C. J. Novotny, to Industrial Filter & Pump Mfg. Co. Apparatus for regenerating materials. 3,391,707, 7–9–68, Cl. 137—590.
Riley, George F. Anti-smog piston and ring assembly. 3,391,943, 7–9–68, Cl. 277—137.
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Riley, Gilbert N., to Pitney-Bowes, Inc. Carriage restoring mechanism. 3,384,302, 5–21–68, Cl. 235—60.41.
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Riley, Robert E., and H. Sheinberg, to United States of America, Atomic Energy Commission. Method of preventing segregation during casting of composites. 3,367,398, 2–6–68, Cl. 164—97.
Riley, Robert E., K. V. Davidson, and J. M. Taub, to United States of America, Atomic Energy Commission. Method of making solid solution carbide-graphite compositions. 3,419,656, 12–31–68, Cl. 264—332.
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Rimmer, Ronald, to Dowty Fuel Systems, Ltd. Centrifugal pumps for liquids. 3,408,943, 11–5–68, Cl. 103—97.
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Rittner, Edmund S., to North American Philips Co., Inc. Solid-state active electronic device and microcircuits containing same. 3,402,331, 9–17–68, Cl. 317—235.

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Rix, Theodorus Reinder, to North American Philips Co., Inc. Method of producing a 3-keto-4,6-bisdehydro 9β,10α-steroid and intermediates obtained therefrom. 3,364,205, 1–16–68, Cl. 260—239.55.

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Roach, Francis S. Locking differential. 3,397,595, 8–20–68, Cl. 74—710.5.

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Robbins, William B., and E. L. Kern, to Dow Corning Corp. Method of growing thin film semiconductors using an electron beam. 3,419,487, 12–31–68, Cl. 204—164.

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Robert, Andre, P. Traynard, and O. Martin-Borret, to L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude. Delignification and bleaching of chemical and semichemical cellulose pulps with oxygen and catalyst. 3,384,533, 5–21–68, Cl. 162—65.

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Roberts, Donald L., to R. J. Reynolds Tobacco Co. Process of imparting a popcorn-like flavor and aroma to foodstuffs and tobacco by incorporating pyrazine derivatives therein and the resulting products. 3,402,051, 9–17–68, Cl. 99—140.

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Roberts, Graham E., to Decca Ltd. Chart position indicating apparatus. 3,366,959, 1–30–68, Cl. 343—112.

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Roberts, Hugh L., to Imperial Chemical Industries, Ltd. Preparation of telomers of tetrafluoroethylene. 3,381,043, 4–30–68, Cl. 260—653.1.

Roberts, James R., to United States Gypsum Co. Water felted building product including nonfibrous cellulose binder. 3,379,609, 4–23–68, Cl. 162—181.

Roberts, James R., and F. J. Wendt, to United States Gypsum Co. Water felted mineral wool building and insulation product including nonfibrous cellulose binder. 3,379,608, 4–23–68, Cl. 162—145.

Roberts, James R., and W. J. Long, to United States Gypsum Co. Water repellant gypsum board. 3,383,271, 5–14–68, Cl. 161—43.

Roberts, Joe T., and D. A. Drum, to Ideal Industries, Inc. Automatic coiler can doffer and method. 3,382,543, 5–14–68, Cl. 19—159.

Roberts, John A., to General Electric Co. Gas leak detector having leak concentration responsive indicating means. 3,363,451, 1–16–68, Cl. 73—40.7.

Roberts, John A., to General Electric Co. Leak detecting system with energy conversion means. 3,390,324, 6–25–68, Cl. 324—33.

Roberts, John A., and J. R. Quirk, to Brunswick Corp. Metallic yarn structure. 3,378,999, 4–23–68, Cl. 57—139.

Roberts, John A. and P. R., to Roehr Products Co., Inc. Method of forming filaments. 3,394,213, 7–23–68, Cl. 264—174.

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Roberts, Lawrence M., to Research-Cottrell, Inc. Mobile electrostatic precipitator. 3,404,513, 10–8–68, Cl. 55—107.

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Colville, Francis J., and Roberts. 3,372,876.

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Roberts, Robert E., to Sports Industries, Inc. Reserve valve mechanism. 3,419,042, 12–31–68, Cl. 137—613.

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Roberts, Roger, to Root-Lowell Mfg. Co. Cartridge-type dusting device. 3,392,883, 7–16–68, Cl. 222—86.

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Roberts, Tom J., and D. L. Paulson, said Paulson assor. to said Roberts. Barbecue grill apparatus. 3,363,543, 1–16–68, Cl. 99—121.

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Robertson, John D., to Mount Hope Machine Co., Inc. Fluid bearing table roll. 3,386,149, 6–4–68, Cl. 29—116.

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Robinson, Charles G., to Northwestern Steel and Wire Co. Reinforcing mat fabricating apparatus. 3,405,743, 10–15–68, Cl. 140—112.
Robinson, Charles G., to Northwestern Steel and Wire Co. Power cable arrangement for electric arc furnaces. 3,406,-239, 10–15–68, Cl. 13—9.
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Robinson, Lawrence B., F. W. Vahldiek, and C. T. Lynch, to United States of America, Air Force. Hot pressing zirconia method. 3,399,256, 8–27–68, Cl. 264—120.
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Robinson, Morris D. Stowable lift apparatus. 3,369,679, 2–20–68, Cl. 214—77.
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Robinson, Paul B. H., and A. A. J. Homer. Sound reproducing apparatus. 3,409,303, 11–5–68, Cl. 274—15.
Robinson, Paul B. H., and A. A. J. Homer. Sound reproducing apparatus. 3,409,304, 11–5–68, Cl. 274—39.1.
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Robinson, Peter, to International Research & Development Co. Ltd. Manufacture of superconducting wire. 3,378,916, 4–23–68, Cl. 29—599.
Robinson, Peter T., to Motorola, Inc. Method of making a semiconductor device by masking and diffusion. 3,394,037, 7–23–68. Cl. 148—187.
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Robinson, Robert B., to Sinclair Research, Inc. Retractable driving means and sampling apparatus. 3,367,188, 2–6–68, Cl. 73—425.2.
Robinson, Robert D. Testing apparatus for identifying wire pairs in multiconductor cables. 3,375,334, 3–26–68, Cl. 179—175.
Robinson, Robert E., to National Distillers and Chemical Corp. Fluorination process. 3,379,780, 4–23–68, Cl. 260—653.3.
Robinson, Robert G., to Sani-Barb Corp. Disposable barbecue box. 3,394,693, 7–30–68, Cl. 126—25.
Robinson, Roderick, to Consolidated Papers, Inc. Container for frozen foods and the like. 3,375,967, 4–2–68, Cl. 229—34.
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Robinson, Walter C., and W. A. Nagel, Jr., to Defense Electronics Inc. Jacks and plugs for electronic equipment. 3,391,380, 7–2–68, Cl. 339—143.
Robinson, Walton S., to Taylor Forge, Inc. Method and apparatus for severing a tubular member. 3,374,697, 3–26–68, Cl. 83—35.
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Robinson, William H. Frangible closure. 3,407,957, 10–29–68, Cl. 215—42.
Robinson, William H. Severable packaging structure. 3,415,404, 12–10–68, Cl. 215—46.
Robinson, William H., and G. A. Shiffer, to Buckeye Molding Co. Severable packaging structure. 3,415,412, 12–10–68, Cl. 220—54.
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Roe, Homer D. Pipe couplings. 3,409,314, 11–5–68, Cl. 285—18.

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Rongen, Jacobus J., and A. M. Peters, to North American Philips Co. Inc. Single ended push-pull class B amplifier with feedback. 3,418,590, 12-24-68, Cl. 330—14.
Rongey, Clarence A.: *See*—
Zavertnik, Marshall G., Kelly, Rongey, and Williams. 3,390,369.
Ronk, Murray A., to Westinghouse Electric Corp. Heat shield for an oven control. 3,366,830, 1-30-68, Cl. 236—15.
Ronk, Richard G., to Westinghouse Electric Corp. Oscillating electric heater. 3,377,465, 4-9-68, Cl. 219—366.
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Borasio, Leo, Ronlov, and Jancewicz. 3,378,304.
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Petter, William J., and H. A. and R. M. Ronningen. 3,386,699.
Ronningen Mfg. Co.: *See*—
Petter, William J., and H. A. and R. M. Ronningen. 3,386,699.
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Ronningen, Robert M.: *See*—
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Ronor S.A.: *See*—
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Meyer, Otto. 3,368,588.
Ronson Corp.: *See*—
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Schlaupp, Herman, and Weber. 3,400,704.
Smith, James D. 3,365,166.
Taylor, William D. 3,383,700.
Rontgen, Erwin, to Hoerbiger Ventilwerke Aktiengesellschaft. Valve assembly for reciprocating compressors. 3,384,298, 5-21-68, Cl. 230—231.
Ronzani, Angelo, to S.p.A. Secoblitz Industria Meccanica. Mechanical saws. 3,368,543, 2-13-68, Cl. 125—13.
Ronzi, Richard C., to Ford Motor Co. Integral lash adjuster. 3,401,677, 9-17-68, Cl. 123—90.
Ronzio, Anthony R., to Morco Oil Corp. Shielding composition of anhydrous naphthenic and 2-ethyl-hexanoic acid salts of cadmium, gadolinium, and samarium in paraffin and method of shielding, 3,373,118, 3-12-68, Cl. 252—478.
Rood, Alvin A.: *See*—
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Rood, Alvin A., to General Motors Corp. Modulated valve assembly. 3,364,824, 1-23-68, Cl. 91—420.
Rood, John W.: *See*—
Amdahl, Gene M., Blaauw, Boehm, Calingaert, Carnevale, Case, Collins, Greene, Hanf, Johnson, Magdall, Perkins, Rood, Updike, Villante, and Weber. 3,400,371.
Rood, Leonard D., to Pittsburgh Plate Glass Co. Process for foaming thermoset organic materials. 3,362,919, 1-9-68, Cl. 260—2.5.
Rood, William E., Jr. Slotted belt type cotton trash cleaner 3,399,767, 9-3-68, Cl. 209—108.
Roof, James L., and P. Knauer, to Westinghouse Electric Corp. Semiconductor multivibrator pulse train generating circuit. 3,388,346, 6-11-68, Cl. 331—111.
Roof, Lewis B., to Phillips Petroleum Co. Chromatographic analyzer. 3,385,101, 5-28-68, Cl. 73—23.1.
Roof, Lewis B., to Phillips Petroleum Co. Dual chamber whistle type acoustic frequency detector for gas. 3,392,571, 7-16-68, Cl. 73—24.
Roof, Lewis B., and G. Halkiades, to Phillips Petroleum Co. Piezoelectric transducers. 3,365,593, 1-23-68, Cl. 310—8.7.
Rooker, William A. Aromatizing food concentrates. 3,418,134, 12-24-68, Cl. 99—23.
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Rooney, George F., Jr. Rack for holding a stack of printed sheets. 3,410,424, 11-12-68, Cl. 214—6.
Rooney, William J. Easy threadable printing ink ribbon. 3,399,754. 9-3-68, Cl. 197—172.
Roop, Donald E., to Brunswick Corp. Pin detecting apparatus. 3,401,934, 9-17-68, Cl. 273—54.
Roos, Dewey A., E. I. Abadie, and C. O. Shaw, to United States of America, Navy. Sequential trigger generator. 3,383,606. 5-14-68, Cl. 328—187.
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Roos, John T., to Bird Machine Co. Tilting pan filter residual filtrate trap. 3,389,800, 6-25-68, Cl. 210—328.
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Brown, Richard S., Jr., and Roos. 3,395,302.
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Roosa, Vernon D. Fuel injection nozzle and adjusting means therefor. 3,373,943, 3-19-68, Cl. 239—533.
Roosa, Vernon D. Fuel pump timing means. 3,394,688, 7-30-68, Cl. 123—139.
Roosa, Vernon D. Governor for fuel injection pump. 3,411,365, 11-19-68, Cl. 73—494.
Roosen, Karl-Heinz, to Kleinewefers Gravuren G.m.b.H. Method of making stamping and embossing rollers. 3,387,-351, 6-11-68, Cl. 29—148.4.
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De Cat, Arthur H., Verbrugghe, and Roosen. 3,369,899.
Verbrugghe, Marcel H., De Cat, and Roosen. 3,393,041.
Roosen, Robert H.: *See*—
Guettler, Gerald F., and Roosen. 3,371,222.
Roosinov, Mikhail M., P. D. Ivanov, and F. S. Novik, to Leningradsky Institute Tochnoi Mekhaniki i Optiki. Two component wide angle camera lens. 3,400,994, 9-10-68, Cl. 350—215.
Root, Bailey S. Golfer's aid. 3,415,518, 12-10-68, Cl. 273—32.
Root, James R., and J. R. Westell. Hydraulic drive axle. 3,385,058, 5-28-68, Cl. 60—53.
Root, Lawrence E., to Rollway Bearing Co., Inc. Self-lubricating thrust bearing. 3,414,342, 12-3-68, Cl. 308—235.
Root, Lawrence E., and W. F. Peters, to Rollway Bearing Co., Inc. Thrust bearing. 3,409,338, 11-5-68, Cl. 308—231.
Root, Lloyd B. Aid for bowling in an erect position. 3,365,-197, 1-23-68, Cl. 273—54.
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Roberts, Roger. 3,392,883.
Root, Morris J.: *See*—
Bohac, Stanley, and Root. 3,405,084.
Root, Robert S., to Lipe-Rollway Corp. Self-adjusting clutch. 3,376,964, 4-9-68, Cl. 192—111.
Root, Robert S., to Lipe-Rollway Corp. Self-adjusting clutch. 3,406,801, 10-22-68, Cl. 192—99.
Root, Robert S. Pressure balanced hydraulic clutch. 3,412,-834, 11-26-68, Cl. 192—85.
Root, Robert S., and E. E. Young, to Lipe-Rollway Corp. Highburst capacity clutch with a two-piece pressure plate. 3,410,382, 11-12-68, Cl. 192—107.
Root, William A.: *See*—
Longe, Patrick J., and Root. 3,402,053.
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Roots, William K., to Litton Industries, Inc. Control systems and processes. 3,361,889, 1-2-68, Cl. 200—138.

Rooz, William B. Garment hanger construction. 3,411,679, 11-19-68, Cl. 223—95.

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Myers, Claude G., Rope, and Garwood. 3,384,572.

Rope, Eugene L., and G. P. Tricoles, to General Dynamics Corp. Microwave holograms. 3,388,396, 6-11-68, Cl. 343—17.

Roper, Alec N., and E. G. Barber, to Shell Oil Co. Expandable poly(vinylaromatic) compositions and process of making same. 3,398,105, 8-20-68, Cl. 260—2.5.

Roper, Alec N., and H. G. Scott, to Shell Oil Co. Process for production of polymers of monovinyl-aromatic compounds and polybutadiene. 3,398,214, 8-20-68, Cl. 260—876.

Roper, Daniel W. Drive differential with two-way overrunning clutch and temperature compensating operator. 3,388,779, 6-18-68, Cl. 192—44.

Roper, Daniel W., to Eaton Yale & Towne Inc. Drive mechanism. 3,392,601, 7-16-68, Cl. 74—711.

Roper, Daniel W., to Eaton Yale & Towne Inc. Drive mechanism. 3,404,585, 10-8-68, Cl. 74—711.

Roper Industries, Inc.: *See*—
Mosbacher, Bruce H., and Nelson. 3,397,645.

Roper, John. Thermal switch. 3,385,940, 5-28-68, Cl. 200—142.

Roper, Peter G.: *See*—
Chatfield, Victor G., and Roper. 3,405,913.

Roper, Robert, to Esso Research and Engineering Co. Air-curable acrylic-based coating composition substrate coated therewith, and process of coating. 3,410,719, 11-12-68, Cl. 117—161.

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Sare, James R., Ropiequet, and Bergeron. 3,400,037.

Ropp, Walter S., to Hercules Inc. Compositions containing maleic anhydride-polypropylene graft copolymers, and a fatty acid polyamide or an amine aldehyde resin. 3,375,300, 3-26-68, Cl. 260—857.

Roques, Rodney A., E. B. Stewart, and U. S. Dividsohn, to Radiation Inc. Semiconductor device package and method of assembly therefor. 3,371,148, 2-27-68, Cl. 174—52.

Rorden, Louis H., and R. N. Beatie, to United States of America, Air Force. Circuit for logarithmically compressing a large dynamic range RF signal. 3,361,975, 1-2-68, Cl. 325—411.

Rorden, Robert J.: *See*—
Rampel, Robert C., Swartz, Packard, and Rorden. 3,382,452.

Rorden, Robert J., to Varian Associates. Automatic search sweep for atomic frequency standard. 3,364,438, 1-16-68, Cl. 331—3.

Rorden, Robert J., to Varian Associates. Frequency correction circuit for an averaging frequency combiner. 3,386,049, 5-28-68, Cl. 331—2.

Rorden, Robert J., to Varian Associates. Apparatus for generating a signal having a frequency equal to the average frequency of a plurality of frequency sources. 3,402,362, 9-17-68, Cl. 331—2.

Rorer, Donald R., to Stone Container Corp. Skin packaging apparatus. 3,377,770, 4-16-68, Cl. 53—112.

Rorer, William H., Inc.: *See*—
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Rorig, Kurt J., and H. A. Wagner, to G. D. Searle & Co. 5-alkyl-2-amino-3-aminoalkyl-6-aryl-4(3H)-pyrimidinones and congeners. 3,378,557, 4-16-68, Cl. 260—247.2.

Rorig, Kurt J., and H. A. Wagner, to G. D. Searle & Co. 5-alkyl-2-amino-4-azido-6-phenylpyrimidines and congeners. 3,412,094, 11-19-68, Cl. 260—256.4.

Rosa, Giuseppe. Steak grill with reversible gas-heated hot plate. 3,392,664, 7-16-68, Cl. 99—423.

Rosa, John, to Westinghouse Electric Corp. Forced commutating inverter. 3,406,325, 10-15-68, Cl. 321—5.

Rosa, John, M. Bryant, and A. S. Sweetana, Jr., to Westinghouse Electric Corp. Ferroresonant transient suppression system. 3,401,272, 9-10-68, Cl. 307—93.

Rosa, Richard J., to Avco Corp. Magnetohydrodynamic hall current generator. 3,406,301, 10-15-68, Cl. 310—11.

Rosado, Ferdinand H., and D. A. Tribbey, to Headmaster Electronics Corp. Combination record-reproduce and erase magnetic head. 3,412,216, 11-19-68, Cl. 179—100.2.

Rosaen, Borje O.: *See*—
Rosaen, Nils O. 3,411,535.
Rosaen, Nils O. and B. O. and O. E. 3,389,031.
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Rosaen Filter Co., The: *See*—
Bozek, John W. 3,368,679.
Bozek, John W. 3,368,680.
Rosaen, Nils O. 3,395,802.
Rosaen, Nils O. 3,405,804.
Rosaen, Nils O. and B. O. and O. E. 3,417,869.
Rosaen, Oscar E. 3,367,506.
Rosaen, Oscar E. 3,382,978.

Rosaen, Nils O., to The Rosaen Filter Co. Fluid filter condition indicators. 3,395,802, 8-6-68, Cl. 210—90.

Rosaen, Nils O., to The Rosaen Filter Co. Horizontally mounted bayonet filter device. 3,405,804, 10-15-68, Cl. 210—90.

Rosaen, Nils O. ½ to B. Rosaen. Cartridge valves. 3,411,535, 11-19-68, Cl. 137—596.14.

Rosaen, Nils O. and B. O. and O. E.; said O. E. Rosaen, assor, to said B. O. and N. O. Rosaen. Method of manufacturing pleated filters. 3,389,031, 6-18-68, Cl. 156—74.

Rosaen, Nils O. and B. O. and O. E., to The Rosaen Filter Co. Filter devices. 3,417,869, 12-24-68, Cl. 210—90.

Rosaen, Oscar E.: *See*—
Rosaen, Nils O. and B. O. and O. E. 3,389,031.
Rosaen, Nils O. and B. O. and O. E. 3,417,869.

Rosaen, Oscar E., to The Rosaen Filter Co. Self cleaning filter device. 3,367,506, 2-6-68, Cl. 210—408.

Rosaen, Oscar E., to Rosaen Filter Co. Self-cleaning filter device. 3,382,978, 5-14-68, Cl. 210—90.

Rosala, Henry P. Refuse packer construction. 3,419,167, 12-31-68, Cl. 214—83.3.

Rosain, Claude, and G. Stcherbatcheff. Balanced low-speed electric motor. 3,411,026, 11-12-68, Cl. 310—82.

Rosan Engineering Corp.: *See*—
Novakovich, Milan, and Weber. 3,376,053.
Rosan, Jose. 3,391,721.
Rosan, Jose, and Reece. 3,404,415.

Rosan, Jose. Liquid soap dispenser having integral self-sealing dispensing means. 3,375,056, 3-26-68, Cl. 401—186.

Rosán, José. Hair curler with removable rotating means. 3,376,875, 4-9-68, Cl. 132—34.

Rosán, Jose, to Rosan Engineering Corp. Insert having integral internal thread lock and method of making same. 3,391,721, 7-9-68, Cl. 151—21.

Rosan, Jose, and M. Novakovich. Fittings for high pressure fluid lines. 3,395,934, 8-6-68, Cl. 285—23.

Rosan, Jose, and M. P. Reece, to Rosan Engineering Corp. Method of making fastener with snap-on captive locking ring. 3,404,415, 10-8-68, Cl. 10—86.

Rosan, Jose, and M. P. Reece. Locking pin with cap. 3,404,717, 10-8-68, Cl. 151—23.

Rosansky, Martin G., to Leesona Corp. Metal-oxygen-containing electrochemical battery. 3,378,406, 4-16-68, Cl. 136—86.

Rosauer, Peter J.: *See*—
Flaherty, John J., and Rosauer. 3,403,671.

Rosbottom, Thomas A., to The Metal Box Co. Ltd. Method of securing deformable sheet metal elements. 3,404,648, 10-8-68, Cl. 113—121.

Rosbottom, Thomas A., to The Metal Box Co. Ltd. Power transmission systems. 3,407,911, 10-29-68, Cl. 192—56.

Rose, Anna. Hook-and-eye fastener. 3,382,548, 5-14-68, Cl. 24—228.

Rose, Boyd W.: *See*—
Verrinder, Ernest A., and Rose. 3,403,816.

Rose, Charles F., to Radio Corp. of America. Magnetic recording and playback apparatus. 3,371,881, 3-5-68, Cl. 242—55.12.

Rose, Downs & Thompson Ltd.: *See*—
Howard, George W. 3,412,769.

Rose, Frank L., to Avco Corp. Surgical cast and method of forming and applying to a body member. 3,375,822, 4-2-68, Cl. 128—90.

Rose, Frank L., to Tracor, Inc. Four-way valve. 3,411,534, 11-19-68, Cl. 137—595.

Rose, Frederick M., to Chrysler Corp. Rocker arm guide. 3,401,678, 9-17-68, Cl. 123—90.

Rose, Glenn R., to Programmed & Remote Systems Corp. Force control system for manipulator component. 3,370,213, 2-20-68, Cl. 318—513.

Rose, Harold E.: *See*—
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Rose, Henry J., to Tee-Pak, Inc. Casing for dry sausages. 3,367,786, 2-6-68, Cl. 99—176.

Rose, Henry J., to Tee-Pak, Inc. Casing for dry sausages. 3,383,223, 5-14-68, Cl. 99—176.

Rose, Henry J., to Tee-Pak, Inc. Method of preparing an edible tubular collagen casing. 3,413,130, 11-26-68, Cl. 99—176.

Rose, Howard E. Grinding apparatus. 3,417,517, 12-24-68, Cl. 51—356.

Rose, Howard L. Variable fluid impedance and systems employing same. 3,398,759, 8-27-68, Cl. 137—81.5.

Rose, Howard L. Combined stream interaction and turbulent amplifiers. 3,409,034, 11-5-68, Cl. 137—81.5.

Rose Iron Works, Inc.: *See*—
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Rose, Jack H., and F. W. Du Vall, to Massey-Ferguson, Inc. Multiple position vehicle seat assembly. 3,412,968, 11-26-68, Cl. 248—425.

Rose, John B.: *See*—
Jennings, Brian E., and Rose. 3,385,832.

Rose, Leonard, to Consolidated Airborne Systems, Inc. Timing switch. 3,367,193, 2-6-68, Cl. 74—3.5.

Rose, Leonard, to Consolidated Airborne Systems, Inc. Rotatable drum indicator with electromagnetic drum control. 3,368,216, 2-6-68, Cl. 340—373.

Rose, Manning I., and R. C. Zimmerman, to Square D Co. Cover ring and leveling screw assembly for underfloor wiring duct junction box. 3,414,154, 12-3-68, Cl. 220—3.7.

Rose Patch & Label Co.: *See*—
Larson, Melvin E., and Shaver. 3,380,731.

Rose, Ralph B., Sr. Dryer for printed sheets. 3,386,714, 6-4-68, Cl. 263—8.

Rose, Richard G., to Westinghouse Electric Corp. Method of preparing a fuel element of fissionable oxide and burnable poison. 3,361,857, 1–2–68, Cl. 264—.5.
Rose, Robert C., to Rosemount Engineering Co. Compensating power supply circuit for non-linear resistance bridges. 3,406,331. 10–15–68, Cl. 323—22.
Rose, Robert S., Jr., and B. N. Baer, to Atlas Chemical Industries, Inc. Tension measuring apparatus. 3,366,299, 1–30–68, Cl. 226—44.
Rose, Russell G., to Continental Oil Co. Growth reaction. 3,388,143, 6–11–68, Cl. 260—448.
Rose, Sigmund P. Directionally stable parachute. 3,376,000, 4–2–68, Cl. 244—152.
Rose, Thomas W.: *See*—
Lindsey, Jack H., and Rose. 3,369,438.
Rose, William C. Conduit bending machines. 3,394,571, 7–30–68, Cl. 72—159.
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Roseberg, Harry G. Article separating and dispensing apparatus. 3,376,970. 4–9–68. Cl. 198—40.
Roseberry, Wilmer W., to Jackson Vibrators, Inc. Adjustable tamper blade assembly. 3,396,671, 8–13–68, Cl. 104—13.
Rosebrook, Roy, Sr. Tracer control valve assembly. 3,390,-859, 7–2–68, Cl. 251—3.
Rosecrans, Alfred E., and C. N. Goeders, to The Dow Chemical Co. Method for making porous polyurethane foams. 3,386,927, 6–4–68, Cl. 260—2.5.
Rosecrans, Dean A. Inflation attachment for inflatable bag catheter. 3,401,698, 9–17–68, Cl. 128—349.
Rosecrants, William J., Jr.: *See*—
Kitze, Theodore J., Jr., and Rosecrants. 3,380,828.
Rosekrans, John N., Jr., and J. G. Bowes, to Kransco Mfg. Inc. Sled. 3,414,284, 12–3–68, Cl. 280—21.
Roseland, Luther M., to Minnesota Mining and Mfg. Co. Adhesive sheet materials and method of making the same. 3,409,497, 11–5–68, Cl. 161—184.
Rosele, Franz X., H. Fischer, and A. M. Muller, to F. X. Rosele, and A. Muller, d.b.a. Univeg G.m.b.H. & Co. K.G. Apparatus for cleaning the drawing rollers in spinning machines. 3,408,698, 11–5–68, Cl. 19—263.
Roselius, Charles F., and G. A. Pelikan, to R. M. Holloway and R. L. Ludington. Brake regulator installation. 3,372,-779, 3–12–68, Cl. 188—198.
Roselius, Charles F., and G. A. Pelikan, to Ellcon-National, Inc. Brake regulator installation. 3,378,112, 4–16–68, Cl. 188—197.
Roselius, Ronald R.: *See*—
Gould, George D., Paterson, and Roselius. 3,409,540.
Rosell, Lester P., to Emco Wheaton, Inc. Emergency valve responsive to impact, jarring or heat. 3,396,789, 8–13–68, Cl. 137—39.
Rosell, Lester P., and R. D. Pentecost, to Emco Wheaton, Inc. Universal electric nozzle. 3,380,491, 4–30–68, Cl. 141—209.
Roselli, Frank F., to Diamond Shamrock Corp. Allyl, haloalkyl metal compounds. 3,372,176, 3–5–68, Cl. 260—429.5.
Rosema, Thomas J., to General Research, Inc. Apparatus for drying coated sheet stock. 3,395,786, 8–6–68, Cl. 198—134.
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De Leo, Richard V. 3,364,742.
De Leo, Richard V., and Hagen. 3,385,095.
De Leo, Richard V., and Hagen. 3,415,120.
Lode, Tenny D. 3,366,957.
Lode, Tenny D. 3,374,430.
Lode, Tenny D. 3,393,561.
Lode, Tenny D. 3,406,291.
Lode, Tenny D. 3,409,891.
Rose, Robert C. 3,406,331.
Werner, Frank D. 3,383,916.
Werner, Frank D. 3,405,463.
Werner, Frank D., and Lode. 3,417,606.
Werner, Frank D., and Luger. 3,407,406.
Werner, Frank D., and Petersen. 3,370,841.
Werner, Frank D., and Petersen. 3,374,561.
Rosemount Engineering Co., Ltd.: *See*—
Johnston, James S. 3,365,654.
Rosen, Florence. Auxiliary child's safety seat for vehicles. 3,388,947. 6–18–68. Cl. 297—250.
Rosen, George: *See*—
Bertozzi, Eugene R., Rosen, and Sakowitz. 3,409,399.
Rosen, Harold: *See*—
Kelly, Russell J., Shirley, and Rosen. 3,388,664.
Rosen, Harold A., and D. D. Williams, to National Aeronautics & Space Administration. Apparatus for changing the orientation and velocity of a spinning body traversing a path. 3,396,920, 8–13–68, Cl. 244—1.
Rosen, Harold A., and N. C. Silence, to Hughes Aircraft Co. Switching apparatus for selectively coupling a predetermined number of microwave devices between an input and an output port. 3,403,357, 9–24–68, Cl. 333—24.
Rosen, Henri E. Moccasin shoe. 3,404,468, 10–8–68, Cl. 36—11.
Rosen, Henri E. Moccasin manufacture. 3,414,923, 12–10–68, Cl. 12—142.
Rosen, Irving: *See*—
Kiss, Kornel D., and Rosen. 3,373,142.
Tirpak, Michael R., Rosen, Wilhjelm, Reed, and Kiss. 3,415,785.
Rosen, Karl I. J. Device for storing yarn for the immediate need of yarn of knitting machines. 3,419,225, 12–31–68, Cl. 242—47.12.
Rosen, Leo. Facsimile privacy apparatus. 3,384,705, 5–21–68, Cl. 178—5.1.
Rosen, Leonard B. Extensible fly swatter. 3,412,501, 11–26–68, Cl. 43—137.
Rosen, Leonard B., and M. Green, to L. B. Rosen, and M. G. Mahwah. Woodsman's match holder. 3,397,769, 8–20–68, Cl. 206—20.
Rosen, Ralph: *See*—
McManus, John J., and Rosen. 3,366,914.
Rosen, Samuel M. Jewelry display tray. 3,370,702, 2–27–68, Cl. 206—76.
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Pasquine, Arthur R., Rosen, and Wagner. 3,391,780.
Rosen, Theodore: *See*—
Kessler, Alec, and Rosen. 3,399,471.
Rosen, William E.: *See*—
Drew, John W., and Rosen. 3,408,408.
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Hecker, Arthur C., Rosenbaum, and Perry. 3,414,532.
Rosenbaum, Donald A. Pressure sealing closure. 3,417,406, 12–24–68, Cl. 2—2.1.
Rosenbaum, Kurt, to Umbrella Automation, Inc. Automatic umbrella steamer. 3,390,466, 7–2–68, Cl. 34—87.
Rosenbaum, Nathan B., to Eastern Products Corp. Drapery support. 3,362,462, 1–9–68, Cl. 160—344.
Rosenbaum, Robert. Film rewind for motion picture projector. 3,388,873. 6–18–68, Cl. 242—55.21.
Rosenbaum, Robert, and J. I. Wrozina, to Allied Chemical Corp. Scuff resistant inks comprising drying oil and ethylene-vinyl acetate copolymer. 3,367,896, 2–6–68, Cl. 260—23.
Rosenbaum, Robert, and R. A. Signorelli, to Allied Chemical Corp. Transfer ink and coated transfer paper containing ethylene/vinyl acetate copolymer and naturally occurring wax. 3,368,991, 2–13–68, Cl. 260—28.5.
Rosenbaum, Stanley D.: *See*—
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Rosenberg, David. Hydraulically actuated pump. 3,386,388, 6–4–68, Cl. 103—152.
Rosenberg, David, and L. Mirando. Disposable syringe package. 3,401,695, 9–17–68, Cl. 128—232.
Rosenberg, Edgar N., and S. F. Moran, to United States of America, Navy. Deep water recovery. 3,395,665, 8–6–68, Cl. 114—51.
Rosenberg, Edgar N., and C. S. Manning. Grounded ship recovery apparatus. 3,402,688, 9–24–68, Cl. 114—51.
Rosenberg, Gloria. Basting and marking implement. 3,412,-912, 11–26–68, Cl. 223—102.
Rosenberg, Harold, to United States of America, Air Force. Tetrametallocene metal compounds and preparation. 3,410,-883, 11–12–68, Cl. 260—439.
Rosenberg, Harold B., to Electronic Devices, Inc. Stacked assembly of rectifier units incorporating shunt capacitors. 3,373,335, 3–12–68, Cl. 321—11.
Rosenberg, Harry, to Gewerkschaft Eisenhutte Westfalia. Mine roof prop and advancing arrangement. 3,381,586, 5–7–68, Cl. 91—217.
Rosenberg, Harry. Hydraulic free-wheeling means for the hydraulic drives of conveyors and the like. 3,415,057, 12–10–68, Cl. 60—53.
Rosenberg, Harry, and K.-H. Piester, to Gewerkschaft Eisenhutte Westfalia. Hydraulic actuator for longwall mining conveyor advancing apparatus. 3,381,590, 5–7–68, Cl. 92—140.
Rosenberg, Heinz, to Siemens-Aktiengesellschaft. Permanent magnet excited electric machine. 3,411,027, 11–12–68, Cl. 310—181.
Rosenberg, Joel: *See*—
Larkfeldt, Birger, and Rosenberg. 3,389,648.
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Rosenberg, Merton I., and W. G. Bohaker, to American Bosch Arma Corp. Electric governor system for sensing and controlling engine speed. 3,414,771, 12–3–68, Cl. 317—5.
Rosenberg, Milton, to Gulf Research & Development Co. Method of permeably consolidating loose sands. 3,393,739, 7–23–68, Cl. 166—33.
Rosenberg, Peretz. Automatically responsive shutoff valve. 3,400,734, 9–10–68, Cl. 137—495.
Rosenberg, Raymond. Combined light fixture and blower. 3,384,977, 5–28–68, Cl. 34—90.
Rosenberg, Richard L. Method of treating standing poles and the like. 3,415,612, 12–10–68, Cl. 21—7.
Rosenberg, Robert A., to Mitron Research & Development Corp. Melting and casting of titanium. 3,417,808, 12–24–68, Cl. 164—68.
Rosenberg, Robert B.: *See*—
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Rosenberg, William E., to Enthone Inc. Bright zinc electroplating. 3,393,135, 7–16–68, Cl. 204—55.
Rosenberger, Frank B., and C. R. Brandt, to Allied Chemical Corp. Method of imparting high gloss and stain-resistance to thermosetting molded articles. 3,410,943, 11–12–68, Cl. 264—255.

Rosenberger, Harold E.: *See*—
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Rosenberger, Raymond A. Strike plate. 3,395,935, 8-6-68, Cl. 292—341.13.
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Hemmenway, Stuart F., and Rosenberry. 3,366,870.
Rosenberry, George M., Jr., to General Electric Co. Voltage regulator with inverting capability. 3,378,754, 4-16-68, Cl. 322—28.
Rosenberry, George M., Jr., to General Electric Co. Power supply having synchronous periodic output voltage. 3,383,581, 5-14-68, Cl. 321—16.
Rosenberry, George M., Jr., to General Electric Co. Polyphase pulse generator circuit with variable phase shift controllable twice per cycle. 3,416,061, 12-10-68, Cl. 321—5.
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Rosenblad, Axel E. Falling film evaporator. 3,366,158, 1-30-68, Cl. 159—13.
Rosenblad, Curt F. Falling film plate heat exchanger. 3,371,709, 3-5-68, Cl. 165—115.
Rosenblad, Curt F. Cleaning of heat exchangers used with cellulose digesters. 3,397,110, 8-13-68, Cl. 162—42.
Rosenblatt, Herbert L.: *See*—
Bradley, Richard E., Saukin, Barnes, Beauregard, Murtaugh, Rosenblatt, and Thompson. 3,406,380.
Rosenblatt, Murray, to Radio Corp. of America. Information handling apparatus. 3,413,448, 11-26-68, Cl. 235—61.11.
Rosenblatt, Solomon, to Leesona Corp. Method of making electrodes using hydrophobic polymer. 3,388,004, 6-11-68, Cl. 136—120.
Rosenblatt, Theodore M.: *See*—
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Harris, Elbert E., Rosenburg, and Chamberlin. 3,381,014.
Rosencrans, John L., to The Risdon Mfg. Co. Earring devices. 3,412,578, 11-26-68, Cl. 63—14.
Rosendahl, Friedrich K., H. Rinke, and H. Oertel, to Farbenfabriken Bayer Aktiengesellschaft. Polyurethanes stabilized with dialkyl semicarbazides or dialkyl carbazinic acid esters. 3,399,167, 8-27-68, Cl. 260—45.8.
Rosenel, Arthur L. Electric aquarium heater. 3,371,192, 2-27-68, Cl. 219—523.
Rosener, Harvey J., to The Bunker-Ramo Corp. Parity checking circuit. 3,392,372, 7-9-68, Cl. 340—146.1.
Rosener, Harvey J., to The Bunker-Ramo Corp. Direct coupled multivibrator (DCMV) circuit for rejecting noise in a feedback servomechanism. 3,412,298, 11-19-68, Cl. 318—18.
Rosenfeld, Arthur. Wax cup and handle for investment casting. 3,401,737, 9-17-68, Cl. 164—244.
Rosenfeld, Howard, to Linen Supply Association of America. Self orientation of flatgoods. 3,416,238, 12-17-68, Cl. 34—23.
Rosenfeld, Martin, to Premier Athletic Products Corp. Football training dummy. 3,396,969, 8-13-68, Cl. 273—55.
Rosenfeld, Peter E., to Bell Telephone Laboratories, Inc. Combination analog and digital display device. 3,361,920, 1-2-68, Cl. 313—109.5.
Rosenfelder, Walter J., to United States Borax & Chemical Corp. Alkali metal perborates. 3,375,198, 3-26-68, Cl. 252—99.
Rosenfield, Arthur M. Tapered box with self-locking cover. 3,377,017, 4-9-68, Cl. 229—43.
Rosenfield, Daniel, to Union Carbide Corp. Process for lengthening the postharvest life of certain perishable fruits and vegetables. 3,410,696, 11-12-68, Cl. 99—168.
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Rosengren, Herbert. Safety razor with a disposable cassette head. 3,388,466, 6-18-68, Cl. 30—40.
Rosenheck, Albert D., and D. R. Maure, to Lear Siegler, Inc. Capacitive semi-permanent memory. 3,404,382, 10-1-68, Cl. 340—173.
Rosenheck, Bernard M., to Litton Systems, Inc. Automatic phasing systems. 3,385,928, 5-28-68, Cl. 178—69.5.
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Rosenkrands, John W., to General Motors Corp. De dion suspension with torsionally active dead axle and cantilever spring elastic medium. 3,373,834, 3-19-68, Cl. 180—73.
Rosenlund, Iver T., and W. H. Douthit, to E. I. du Pont de Nemours and Co. Exhaust manifold reaction system and apparatus. 3,413,803, 12-3-68, Cl. 60—29.
Rosenstand, Gerd, to Danavox International A/S. Arrangement in receivers for placing in the auditory canal. 3,366,197, 1-30-68, Cl. 181—23.
Rosenstand, Gerd, to Danavox International A/s. Electronic mounting unit having spaced plate elements supported in position. 3,375,407, 3-26-68, Cl. 317—101.
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Rosenstein, Nathan: *See*—
Garner, Harold, and A. J. and N. Rosenstein. 3,367,101.
Rosenstein, Nathan, to Spunize Co. of America, Inc. Spliced yarn. 3,379,002, 4-23-68, Cl. 57—142.
Rosenstein, Nathan, to Spunize Co. of America, Inc. Method and apparatus for controlling diameter of pressure rolls. 3,379,857, 4-23-68, Cl. 219—469.
Rosenstock, David: *See*—
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Rosenstock, Karl-Heinz, and B. Kowalski, to Feldmuhle Aktiengesellschaft. Method of preparing satin white. 3,391,995, 7-9-68, Cl. 23—122.
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Rosenthal, Adolph H., to Kollsman Instrument Corp. Optical maser modulator and amplifier. 3,381,242, 4-30-68, Cl. 332—7.51.
Rosenthal, Ben J., to H. Rosenthal. Film-like sheet material feeding and cutting device. 3,388,623, 6-18-68, Cl. 83—98.
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Rosenthal, Harry. Propulsion system for aquatic vehicles. 3,369,517, 2-20-68, Cl. 115—21.
Rosenthal, Louis A., to United States of America, Navy. Bridge circuit for determining the thermal parameters of bridgewires used in electro-explosive devices. 3,374,429, 3-19-68, Cl. 324—57.
Rosenthal, Louis A., to Union Carbide Corp. Corona discharge electrodes of opposing polarity rotatable about a common axis to treat polymer surfaces. 3,383,966, 5-28-68, Cl. 250—49.5.
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Rosenthal, Robert, to Beckman Instruments, Inc. Apparatus for measuring electrical conductivity of a fluid. 3,404,336, 10-1-68, Cl. 324—30.
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Rosenthal, Robert W., and R. Seekircher, to Gulf Research & Development Co. Process for preparing primary amines. 3,366,686, 1-30-68, Cl. 260—583.
Rosenthal, Robert W., and R. Seekircher, to Gulf Research & Development Co. Process for preparing dimethylamino-alkanes from nitroparaffins. 3,367,970, 2-6-68, Cl. 260—583.
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Rosenvold, Lloyd K. and R. J. 3,388,474.
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Rosenwald, Robert H., to Universal Oil Products Co. Synergistic antiozonant mixture. 3,384,614, 5-21-68, Cl. 260—45.9.
Rosenwald, Robert H., and P. Urban, to Universal Oil Products Co. Process for treating hydrocarbon distillates containing mercaptan and color-forming components. 3,398,086, 8-20-68, Cl. 208—206.
Rosewicz, Horst, F. Fecher, J. Schoenmann, and G. Manhart. Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Heat sealing plastic bags. 3,369,950, 2-20-68, Cl. 156—464.
Rosfelder, Andre M., to United States of America, Navy. Trimming system for underwater vehicles. 3,362,367, 1-9-68, Cl. 114—16.
Rosfelder, Andre M., to United States of America, Navy. Cone sample. 3,383,131, 5-14-68, Cl. 294—69.
Rosfelder, Andre M., to United States of America, Navy. Hard formation ocean bottom sampling device. 3,411,595, 11-19-68, Cl. 175—6.
Rosfelder, Andre M., to United States of America, Navy. Hydrostatic corer. 3,412,814, 11-26-68, Cl. 175—6.
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Plank, Charles J., and Rosinski. 3,391,075.
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Rosler, Walter. Apparatus for the manufacture of netting with intersecting and welded longitudinal and transverse filaments or wires. 3,369,575, 2–20–68, Cl. 140—112.
Rosler, Wulff, H. Temme, and W. Georg, to Gewerkschaft Eisenhutte Westfalia. Mining conveyor arrangement having raised dumper end. 3,367,717, 2–6–68, Cl. 299—34.
Rosman, Irwin E., and A. Malek, to The Marquardt Corp. Heat exchanger. 3,368,617, 2–13–68, Cl. 165—175.
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Rosner, Manfred, to Aktiengesellschaft Brown, Boveri & Cie. Magnetohydrodynamic generator with sulphur containing fuel. 3,379,903, 4–23–68, Cl. 310—11.
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Ross, Bernd, and A. H. Herbst, to Globe-Union Inc. Photovoltaic cell and solar cell panel. 3,411,952, 11–19–68, Cl. 136—89.
Ross, Billy H., and J. D. McMahon; ½ each to said Ross and said McMahon. Minnow vending method and machine. 3,372,784, 3–12–68, Cl. 194—2.
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Ross, Charles W., to Leeds & Northrup Co. Method and apparatus for the optimization of kiln cooler control. 3,381,946, 5–7–68, Cl. 263—32.
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Ross, Charles W., to Leeds & Northrup Co. Probabilistic and deterministic filter for control systems. 3,419,772, 12–31–68, Cl. 318—18.
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Ross, Edward E., J. Cunningham, and F. Hartman, to California Packing Corp. Apparatus for orienting elongated tapered agricultural products. 3,386,559, 6–4–68, Cl. 198—30.
Ross, Edward E., J. Cunningham, and F. Hartman, to California Packing Corp. Method and apparatus for orienting elongated tapered agricultural products. 3,386,560, 6–4–68, Cl. 198—31.
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Ross, Edward F., and J. F. Svetlik, to Phillips Petroleum Co. Blend of butadiene-styrene block copolymer and polychloroprene. 3,417,044, 12–17–68, Cl. 260—33.6.

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Ross, Gene W. and D. S., to Ritter Pfaudler Corp. Deaerating apparatus. 3,371,865. 3–5–68, Cl. 237—68.
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Ross, Hardy E., and K. C. Finster, to The Dow Chemical Co. Non-blocking polyolefin compositions. 3,374,199, 3–19–68, Cl. 260—41.
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Ross, Harold M. Mouthpiece. 3,407,809, 10–29–68, Cl. 128—136.
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Ross, Hugh, and F. E. Parke, to Ropak Mfg. Co. Method for depositing magnetically susceptible workpieces at preselected locations. 3,385,596, 5–28–68, Cl. 271—46.
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Ross, James A., T. W. Maciejowski, and T. R. Parkhill, to Ling-Temco-Vought, Inc. Solid state switching type linear amplifier. 3,400,334. 9–3–68, Cl. 330—10.
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Rosser, William D., to Sylvania Electric Products Inc. Multiple bleed valve cartridge assembly. 3,401,719, 9-17-68, Cl. 137—493.8.

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Rossi, Anthony J. Taffy pulling machine and system. 3,410,230, 11-12-68, Cl. 107—14.

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Rossi, Giovanni. Device for automatic introduction and discharge of containers in painting machines and the like. 3,367,472, 2-6-68, Cl. 198—22.

Rossi, Guido, to Generaay-Generale Radiologica S.p.A. Patient-supporting device for radiological treatments. 3,397,411, 8-20-68, Cl. 5—66.

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Rossi, Irving, to Concast, Inc. Process and apparatus for cooling and supporting a continuous casting strand. 3,391,725, 7-9-68, Cl. 164—89.

Rossi, Irving, and A. Thalmann, to Concast Inc. Method for cooling hot metal, especially continuously cast metal. 3,399,716, 9-3-68, Cl. 164—89.

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Rossi, Mario, to S.p.A. Officine Maccaferri. Protective linnings and method of forming the same in watercourses. 3,380,254, 4-30-68, Cl. 61—7.

Rossi, Robert R., to Arrow Safety Device Co. Marker light. 3,406,375, 10-15-68, Cl. 339—176.

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Rossini, Lucio. Closure for basketball basket. 3,362,709, 1-9-68, Cl. 273—1.5.

Rossini, Pierre L., T. J. Barile, and R. L. Carpenter, to United States of America, Air Force. Protective covering for rocket engines. 3,385,337, 5-28-68, Cl. 150—52.

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Rossman, Wendell E. Auditorium installations. 3,399,501, 9-3-68, Cl. 52—10.

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Rossmy, Gerd, to Th. Goldschmidt A.G. Foaming process for polyurethane in the presence of pore regulators. 3,404,105, 10-1-68, Cl. 260—2.5.

Rossmy, Gerd, to Th. Goldschmidt AG. Organosilicon compounds and process for their preparation. 3,418,352, 12-24-68, Cl. 260—448.2.

Rossmy, Gerd, and G. Korner, to Th. Goldschmidt, A.G. Process of preparing acyloxyalkyl group containing polysiloxanes. 3,371,104, 2-27-68, Cl. 260—408.

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Rossoff, Arthur L., and H. E. Lustig, to General Instrument Corp. Stereographic radar system. 3,375,353, 3-26-68, Cl. 235—151.

Rossow, Le Roy J. Magnetic latch. 3,403,933, 10-1-68, Cl. 292—251.5.

Rost, Earl A. Portable saw table and guide. 3,406,728, 10-22-68, Cl. 143—132.

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Roteman, Jerome, and S. T. Brancato, to Interchemical Corp. Electrostatic printing on metal substrates. 3,401,037, 9–10–68, Cl. 96—1.
Roteman, Jerome, and B. Arnowich, to Interchemical Corp. Developing electrostatic images with a liquid developer containing tetraphenyl tin or zirconyl 2-ethylhexoate. 3,411,936, 11–19–68, Cl. 117—37.
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Roth, Gerald C., to Union Special Machine Co. Vibration reducing bearing mount in a blindstitch sewing machine. 3,361,101, 1–2–68, Cl. 112—176.
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Roth, Howard, to DCA Food Industries, Inc. Method and apparatus for extruding dough. 3,362,355, 1–9–68, Cl. 107—1.
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Rothman, Edward S., to United States of America, Agriculture. Process for the preparation of stearone. 3,375,281, 3–26–68, Cl. 260—595.
Rothman, Nathan, and G. D. Love, to Silverson Machines Ltd. Immersion mixing apparatus. 3,362,689, 1–9–68, Cl. 259—8.
Rothmayr, Rolf, to Sanit Holding A.G. Sanitary installation. 3,381,313, 5–7–68, Cl. 4—2.
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Rothschild, Paul H., to Owens-Illinois, Inc. Flow tester for plastic materials. 3,360,986, 1–2–68, Cl. 73—56.
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Roubeau, Pierre M., to Commissariat a l'Energie Atomique. Cryogenic liquid level indicator. 3,369,400, 2-20-68, Cl. 73—295.
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Rouse, John W., to American Can Co. Full-open can. 3,401,824, 9-17-68, Cl. 220—54.
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Boltchenko, Mikhail S., Poulmakht, Routese, Pravdine, Korotkov, Kaouchansky, Chabanov, and Karpeka. 3,375,862.
Routson, Willis G., to The Dow Chemical Co. Water flooding method. 3,367,418, 2-6-68, Cl. 166—9.
Routson, Willis G., to The Dow Chemical Co. Adjustable pressure reducing device. 3,387,630, 6-11-68, Cl. 137—625.3.
Rouvalis, George: *See*—
Gill, Joseph, and Rouvalis. 3,406,317.
Rouvalis, George, to Westinghouse Electric Corp. Manual and automatic servo system. 3,363,157, 1-9-68, Cl. 318—18.
Rouvalis, George, to Hagan Controls Corp. Position control apparatus. 3,390,694, 7-2-68, Cl. 137—85.
Roux, Charles B.: *See*—
Pottier, Michel B. A., and Roux. 3,400,849.
Roux, Henry J.: *See*—
Emerick, Ernest L., Jr., Ollinger, and Roux. 3,390,503.
Rouy, Auguste L. M. A., to Erie Technological Products, Inc. Binaural piezoelectric pickup. 3,377,439, 4-9-68, Cl. 179—100.4.
Rouy, Auguste L. M. A., and A. J. Weinstein, to The Ednalite Corp. Method and device for measuring surface roughness. 3,396,627, 8-13-68, Cl. 88—14.
Rouyer, Georges, and M. Duchemin, to Nord-Aviation Societe Nationale de Constructions Aeronantiques. Shaping tool for thin sheets. 3,364,710, 1-23-68, Cl. 72—71.
Rouyer, Georges, and C. Molin, to Nord-Aviation Societe Nationale de Constructions Aeronautiques. Sheet material folding method and machine for carrying out said method. 3,376,726, 4-9-68, Cl. 72—379.
Rouzier, Michel M. Switching network comprising tecnetrons. 3,392,373, 7-9-68, Cl. 340—166.
Rövde, Björn O., and G. Stöeng, to Anth. B. Nilsen & Co. Ltd. A/S. Press for pressing of fibre materials such as dried wood pulp, cellulose, etc. 3,397,424, 8-20-68, Cl. 18—2.
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Harbidge, John. 3,363,673.
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Willmer, Peter F. 3,362,162.
Rovin, Herman: *See*—
Bryan, Carney J., and Rovin. 3,399,640.
Rovin, Herman, to Ivanhoe Research Corp. Apparatus for registering a fabric workpiece. 3,411,772, 11-19-68, Cl. 271—52.
Rovsek, Edward J. Intermittently operated movie film projector for projecting still pictures. 3,418,045, 12-24-68, Cl. 353—122.
Rowan Controller Co., The: *See*—
Baugher, John D. 3,375,435.
Glasgow, Paul W., La Falce, and Baugher. 3,414,803.
Marrichi, Frank T., and Bowie. 3,382,467.
Rowan, Eugene V., and H. H. Farmer, to R. T. Vanderbilt Co., Inc. Sulfurized oxymolybdenum organophosphorodithioates and process therefor. 3,400,140, 9-3-68, Cl. 260—429.
Rowan, Robert L. and Y. Method for treating urological disorder with a silicon composition. 3,378,440, 4-16-68, Cl. 167—55.
Rowan, Yetta: *See*—
Rowan, Robert L. and Rowan. 3,378,440.
Rowas, Clifford A.: *See*—
Nord, Gordon L., and Rowas. 3,363,163.
Rowbottam, Francis W. Apparatus for screen assembly. 3,361,612, 1-2-68, Cl. 156—495.
Rowe, Blaine F. Vertically adjustable sunshade with locking pivoted brace. 3,383,814, 5-21-68, Cl. 52—83.
Rowe, Charles A., Jr., C. W. Muessig, and S. A. Yuhas, Jr., to Esso Research and Engineering Co. Lacquer compositions of nitrocellulose and xylene-formaldehyde polymers. 3,377,299, 4-9-68, Cl. 260—13.

Rowe, Charles A., Jr., C. W. Muessig, and S. A. Yuhas, to Esso Research and Engineering Co. Modified xylene-formaldehyde resins. 3,398,107, 8–20–68, Cl. 260—19.

Rowe, Charles E., Jr. Hammer mechanism for firearms. 3,362,096, 1–9–68, Cl. 42—20.

Rowe, Charles E., Jr. Plastic magazine for cartridges for firearms. 3,399,480, 9–3–68, Cl. 42—50.

Rowe, Dale H., and R. R. Jackwig, to Rowe Mfg. Co. Spiral counterbalance unit. 3,413,680, 12–3–68, Cl. 16—198.

Rowe, David: *See*—
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Rowe, Donald C., to The Boeing Co. Method and apparatus for fabricating a hollow part. 3,386,863, 6–4–68, Cl. 148—12.1.

Rowe, Gayle L., and J. R. Wilson, to Union Carbide Corp. Apparatus for forming large carbonaceous bodies. 3,373,966, 3–19–68, Cl. 249—80.

Rowe, Gayle L., and J. R. Wilson, to Union Carbide Corp. Method of uniformly heating an annular carbonaceous body. 3,405,205, 10–8–68, Cl. 264—105.

Rowe, George E., to Emhart Corp. Take-out tong mechanism for a glassware forming machine. 3,362,545, 1–9–68, Cl. 214—1.

Rowe, George E., to Emhart Corp. Blow molding apparatus for a glassware forming machine. 3,397,047, 8–13–68, Cl. 65—260.

Rowe, George E., to Emhart Corp. Apparatus for moving newly formed glassware articles onto a continuously moving conveyor. 3,400,802, 9–10–68, Cl. 198—20.

Rowe, Jean M.: *See*—
Goodwin, Leslie E., Rowe, and Wyeth. 3,413,915.

Rowe, Lester A.: *See*—
Spence, Sydney P., Baker, Steiner, Madestau, and Rowe. 3,409,410.

Rowe, Lester V. Means for removing foreign matter from boiler water. 3,363,765, 1–16–68, Cl. 210—167.

Rowe, Lowell V. Therapeutic vibrator device. 3,361,130, 1–2–68, Cl. 128—36.

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Rowe, Murray A. Longitudinal strike-off and finishing screed for concrete. 3,368,466, 2–13–68, Cl. 94—45.

Rowe, Murry A.: *See*—
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Rowe, Richard D., to Cosden Oil & Chemical Co. Bodying polymer liquid. 3,375,295, 3–26–68, Cl. 260—683.15.

Rowe, Ronald C., to Bacon American Corp. Apparatus for retreading tires. 3,411,975, 11–19–68, Cl. 156—405.

Rowe, Thomas M. Device for teaching addition and subtraction. 3,377,717, 4–16–68, Cl. 35—31.

Rowe, William A.: *See*—
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Rowed, Douglas W., N. D. Conran, N. J. Parker, M. L. Coates, and E. L. Summers, to Union Carbide Australia Ltd. Battery-operated light. 3,372,271, 3–5–68, Cl. 240—10.64.

Rowekamp, Edward F., to The Lodge & Shipley Co. Feed conveyor gate. 3,366,222, 1–30–68, Cl. 198—34.

Rowell, Douglas W., to Anaconda American Brass Co. Two-hole extrusion. 3,404,967, 10–8–68, Cl. 29—183.

Rowell, Geoffrey M.: *See*—
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Rowell, Ralph M., to General Electric Co. Zener diode temperature meter. 3,413,853, 12–3–68, Cl. 73—362.

Rowell, William G., to Technical Marketing Associates, Inc. Fail-safe checking system. 3,386,087, 5–28–68, Cl. 340—253.

Rowell, William G., to Technical Marketing Associates, Inc. Reliable monitoring system. 3,389,386, 6–18–68, Cl. 340—248.

Rowell, William J.: *See*—
Cranston, Albert E., Jr., W. C. Cranston, and Rowell. 3,387,556.

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Remy, Hermann. 3,399,023.
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Rowland, Bobby A.: *See*—
Schoerner, Roger J., and Rowland. 3,383,704.

Rowland, Charles M.: *See*—
Townsend, Richard W., and Rowland. 3,367,256.

Rowland, David L. Compactly stackable chair. 3,404,916, 10–8–68, Cl. 297—239.

Rowland, Edwin C. Cutting torch mount. 3,396,957, 8–13–68, Cl. 266—23.

Rowland, Eric, and E. W. Wilkins, to Garrard Engineering Ltd. (formerly The Garrard Engineering and Mfg. Co. Ltd.) Method of constructing the stator for a single phase induction motor. 3,387,361, 6–11–68, Cl. 29—596.

Rowland, Le Roy V.: *See*—
Whitehouse, Allan J., Rowland, and Palmer. 3,381,906.

Rowland, Ralph L., and D. L. Roberts, to R. J. Reynolds Tobacco Co. 4-(1-hydroxy-4-oxo-2,6,6-trimethyl-2-cyclohexene-1-yl)-3-butene-2-one. 3,410,908, 11–12–68, Cl. 260—587.

Rowland, Stanley P., D. M. McClain, and M. F. Maringer, to National Distillers and Chemical Corp. Process of simultaneously foaming and laminating polyolefin film to a solid backing. 3,411,967, 11–19–68, Cl. 156—79.

Rowland, Thomas W., and C. L. Tavelle, to Raybestos-Manhattan, Inc. Manufacture of metal cored rubber rolls. 3,380,120, 4–30–68, Cl. 18—30.

Rowland-Hill, Edward W., to International Harvester Co. Fan screen construction for combines. 3,402,720, 9–24–68, Cl. 130—27.

Rowlands Electric Accessories Ltd.: *See*—
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Rowlands, Thomas J., and I. F. Smart, to George Ellison Ltd. Laminated bus arrangement for electrical distribution systems. 3,400,303, 9–3–68, Cl. 317—119.

Rowlands, Tom, and D. A. Parkinson, to Molins Machine Co. Ltd. Feeding devices for rod-like articles. 3,391,826, 7–9–68, Cl. 221—93.

Rowlett, Bobby J.: *See*—
Pobst, David F., Jr., and Rowlett. 3,406,426.

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Rowley, Charles A. Vegetable grater and slicer. 3,416,584, 12–17–68, Cl. 146—171.

Rowley, David S., to Christensen Diamond Products Co. Combination drill and reamer bit. 3,367,430, 2–6–68, Cl. 175—385.

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Rowley, James R.: *See*—
Brown, James R., Marton, and Rowley. 3,414,469.

Rowlinson, Hugh C., to Canadian Industries Ltd. Method for cleaning oil and gas wells employing carbon disulfide-pentane mixtures. 3,375,192, 3–26–68, Cl. 252—8.55.

Rownd, Robert M., and T. H. Petty, to Aladdin Industries, Inc. Apparatus for making plastic lined vacuum bottle fillers. 3,384,923, 5–28–68, Cl. 18—5.

Rownd, Robert M., and J. A. Bridges, to Aladdin Industries Inc. Food and beverage containers having integral compartments containing a freezable liquid. 3,406,532, 10–22–68, Cl. 62—457.

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Roxlo, William D., to E. I. du Pont de Nemours and Co. Apparatus for making non-woven webs. 3,396,433, 8–13–68, Cl. 19—156.3.

Roy, Amedee, and J. M. Corwin, to Chrysler Corp. Turbine wheel. 3,399,443, 9–3–68, Cl. 29—156.8.

Roy, Clarence H., to The Procter & Gamble Co. Substituted methylene diphosphonic acids and their salts. 3,404,178, 10–1–68, Cl. 260—502.4.

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Roy, Hubert F., and T. L. Gagnon, to Magco Plastics Inc. Concrete wall with plug. 3,390,498, 7–2–68, Cl. 52—302.

Roy, James W., to International Telephone and Telegraph Corp. Method for making hermetic seals. 3,418,442, 12–24–68, Cl. 219—100.

Roy, James W., and A. Sunnen, to International Telephone and Telegraph Corp. Film transformers. 3,372,358, 3–5–68, Cl. 336—200.

Roy, Leo T., to Craft, Inc. Method of hinge construction for a cardboard box. 3,364,560, 1–23–68, Cl. 29—432.

Roy, Neal L.: *See*—
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Royal Development Co., Inc.: *See*—
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Rogers, Walter C., Jr. 3,389,409.
Rogers, Walter C., Jr. 3,400,975.

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Royal Industries, Inc.: *See*—
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Baker, Silveus M., and Smiley. 3,396,858.
Bennett, Richard D. and M. D. 3,367,280.
Goodwin, Robert F. 3,409,948.
Langford, Byron G. 3,408,461.
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Waldrop, Tom C. 3,398,655.

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Royal Typewriter Co., Inc.: *See*—
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Royalite Oil Co. Ltd.: *See*—
Cymbalisty, Lubomyr M. O. 3,407,972.

Royalmetal Corp.: *See*—
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Royce, Draper P., to Gem Industries, Inc. Crib construction. 3,365,731, 1–30–68, Cl. 5—100.

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Royce, Martin R., to Radio Corp. of America. Rare earth activated yttrium and gadolinium oxy-chalcogenide phosphors. 3,418,246, 12–24–68, Cl. 252—301.4.

Royce, Robert E. Automatic safety belt apparatus for vehicles. 3,411,602, 11–19–68, Cl. 180—82.

Royce, William C., and D. N. Petersen, to Honeywell Inc. Differential amplifier with common mode rejection. 3,370,245, 2–20–68, Cl. 330—30.
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Royer, Jean: *See*—
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Royer, Lamar T.: *See*—
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Royer, Neal B., C. H. Dederick, and J. G. Lewis, to Emerson Electric Co. Electric motor construction including impeller cavity. 3,378,709, 4–16–68, Cl. 310—90.
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Royer, Wayne H.: *See*—
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Messerly, Gary A., Royer, and Gilgore. 3,395,653.
Royer, William M.: *See*—
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Royner, William W., D. Molnar, R. F. Kaye, and R. M. Robinson, to Columbus McKinnon Corp. Oblique lay pocket wheel. 3,415,135, 12–10–68, Cl. 74—229.
Royster, George W., Jr., and B. R. Fish, to United States of America, Atomic Energy Commission. Surface contamination sampler. 3,362,141, 1–9–68, Cl. 55—419.
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Rozhdestvensky, Jury L., and V. V. Smirnov, to Vsesojuzny Nauchno-Issledovatelsky Konstruktorsko-Tekhnologichesky Institute podshipnikovoi Promyshlennosti. Ring rolling tool. 3,382,693, 5–14–68, Cl. 72—87.
Rozmus, Matt T., to Kelsey-Hayes Co. Pawl type ratchet wrench. 3,372,612, 3–12–68, Cl. 81—62.
Rozmus, Walter J., to Kelsey-Hayes Co. Wedge type ratchet wrench. 3,362,267, 1–9–68, Cl. 81—59.1.
Rozmus, Walter J., to Kelsey-Hayes Co. Cam actuated pivoted jaw tool. 3,372,480, 3–12–68, Cl. 30—193.
Rozzelle, Donald G. Rescue ballon. 3,381,655, 5–7–68, Cl. 116—124.
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Rube, Helmut, to Eugen Bauer G.m.b.H. Projector. 3,363,851, 1–16–68, Cl. 242—55.11.
Rube, Helmut, to Robert Bosch, Elektronik und Photokino G.m.b.H. Slide projector. 3,394,478, 7–30–68, Cl. 40—79.
Rube, Helmut, to Robert Bosch Elektronik und Photokino G.m.b.H. Slide projector with shutter. 3,413,060, 11–26–68, Cl. 353—21.
Rubel, Peter A., to Cabot Corp. Process for halogenating molten metals. 3,399,029, 8–27–68, Cl. 23—93.
Rubel, Peter A., to Cabot Corp. Welding method for cured polymeric compositions. 3,406,055, 10–15–68, Cl. 156—275.
Rubelmann, Haydn. Precontrol salinity compensator for automatic cathodic protection system. 3,373,100, 3–12–68, Cl. 204—196.
Rubelmann, Haydn. Control unit for automatic cathodic protection. 3,374,162, 3–19–68, Cl. 204—196.
Rubenstein, Albert M. Propulsion system. 3,416,319, 12–17–68, Cl. 60—202.
Rubenstein, David. Manufacture of reinforced composite concrete pipe-line constructions. 3,380,259, 4–30–68, Cl. 61—72.2.
Rubenstein, David. Method of making composite decorative structural elements. 3,384,522, 5–21–68, Cl. 156—242.
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Rubert, George E. Fish tank. 3,377,991, 4–16–68, Cl. 119—5.
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Rubin, Frank R. Method and means for cartilage reshaping. 3,395,709, 8–6–68, Cl. 128—305.
Rubin, Leonard R., to Engelhard Industries, Inc. Method of transporting hydrogen and apparatus therefor. 3,398,504, 8–27–68, Cl. 55—16.
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Rubin, Melvin L. Venous catheter and needle. 3,382,872, 5–14–68, Cl. 128—214.4.
Rubin, Paul. Direct mounting tire gage. 3,380,427, 4–30–68, Cl. 116—34.
Rubin, Robert M., to Toro Mfg. Corp. Belt tightener and brake for mower. 3,367,459, 2–6–68, Cl. 192—11.
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Rubins, Philip M., and T. H. M. Cunningham. Equipment to measure chemical reaction kinetic rates of the recombination processes for gaseous reactions. 3,381,522, 5–7–68, Cl. 73—35.
Rubinstein, Charles B., to L. G. Van Uitert, to Bell Telephone Laboratories, Inc. Faraday rotator utilizing terbium aluminum garnet and dysprosium aluminum garnet. 3,368,861, 2–13–68, Cl. 350—151.
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Wurmbock, Oscar. 3,363,635.
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Rubinstein, Solomon, and G. S. Eager, Jr., to General Cable Corp. Manufacture of bare or pre-insulated metal clad sodium conductor. 3,389,460, 6–25–68, Cl. 29—624.
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Rubisch, Ottmar, to Siemens-Planiawerke Aktiengesellschaft fur Kohlefabrikate. High-temperature resistant structural body. 3,390,013, 6–25–68, Cl. 117—219.
Ruble, Earl H., to J. A. Kilbane, Jr. Chlorinator and disposal unit for marine water closet. 3,361,369, 1–2–68, Cl. 241—46.
Ruble, Theodore A., to Continental Carbon Co. Method and apparatus for producing carbon black. 3,375,075, 3–26–68, Cl. 23—209.4.
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Ruby, Lawrence, T. Vuletich, J. B. Rechen, and D. K. Wells, to United States of America, Atomic Energy Commission. Neutron generator with occluded gas ion source. 3,364,355, 1–16–68, Cl. 250—84.5.
Ruby, Victor L. Detent wrench. 3,376,765, 4–9–68, Cl. 81—121.
Ruby, Victor L. Collapsible shelter. 3,390,493, 7–2–68, Cl. 52—63.
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Rüchardt, Hugo, H. Hargasser, and W. Meer, to Siemens Aktiengesellschaft. Amplifying transistor device for regulating circuits. 3,413,530, 11–26–68, Cl. 317—235.
Ruchelman, Maryon W. Automatic sample injector. 3,401,552, 9–17–68, Cl. 73—23.1.
Ruchlis, Hyman, to Harcourt, Brace & World, Inc. Rangefinder. 3,381,381, 5–7–68, Cl. 33—64.
Ruchlis, Hyman, and H. Spector, to Harcourt, Brace & World, Inc. Educational galvanoscope stand. 3,371,433, 3–5–68, Cl. 35—19.

Ruchlis, Hyman, and H. Spector, to Harcourt, Brace & World, Inc. Educational device for demonstrating the principle of a steam reaction turbine. 3,391,475, 7–9–68, Cl. 35—19.
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Ruff, Douglass. Semi-automatic locomotive control system. 3,384,033, 5–21–68, Cl. 105—61.
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Rumsey, Rollin D., to Houdaille Industries, Inc. Rotary actuator control circuit means. 3,417,669, 12–24–68, Cl. 91—421.
Rumsey, Rollin D., to Houdaille Industries, Inc. Rotary actuator assemblies for restricted diameter uses. 3,417,806, 12–24–68, Cl. 160—188.
Rumsey, Rollin D., to Houdaille Industries, Inc. Hydraulic action devices with inertia insensitive snubbing circuit, 3,419,114, 12–31–68, Cl. 188—97.
Rumsey, Rollin D., and J. M. Perhach, to Houdaille Industries, Inc. Hydraulic rotary actuator with fail safe locking means. 3,379,100, 4–23–68, Cl. 92—27.
Rumsey, Thomas R.: *See*—
Stevenson, Billy E., and Rumsey. 3,417,671.
Runanin, Boris. Puppet and animation device. 3,390,481, 7–2–68, Cl. 46—126.
Runde, Kenneth R. Vibration apparatus. 3,381,538, 5–7–68, Cl. 74—87.
Runde, Kenneth R. Facial mask with vibrating means. 3,381,-683, 5–7–68, Cl. 128—63.
Rundell, Gene R.: *See*—
Nehrenberg, Alvin E., and Rundell. 3,366,473.
Rundle, David F., to Amphenol Corp. Hermetically sealed connector. 3,371,413, 3–5–68, Cl. 29—629.
Rundle, Victor A.: *See*—
Hunter, Melvin V., and Rundle. 3,389,107.
Lister, John B., and Rundle. 3,373,106.
Rundle, Victor A., to Chevron Research Co. Polypropylene wax film. 3,376,244, 4–2–68, Cl. 260—28.5.
Rundle, Victor A., to Chevron Research Co. Nonblooming wax-polymer compositions. 3,407,161, 10–22–68, Cl. 260—28.5.
Rundle, Victor A., to Chevron Research Co. Hot tack high gloss wax compositions. 3,407,162, 10–22–68, Cl. 260—28.5.
Rundle, William T. A., to Wright Rain Ltd. Pipe couplings. 3,391,899, 7–9–68, Cl. 251—149.6.
Rundt, John W., and W. F. Green, to The Timken Roller Bearing Co. Means for identifying defective wire and for rejecting articles made therefrom. 3,373,584, 3–19–68, Cl. 72—10.
Rundzaitis, Alfons, to Sunbeam Corp. Dry shaver with clutch for long hair clipping attachment. 3,412,463, 11–26–68, Cl. 30—34.1.
Runes, Eugene: *See*—
Ginsburgh, Irwin, Runes, Nebelsiek, and Sholts. 3,391,-651.
Runft, Rudi: *See*—
Pierce, Guy D., and Runft. 3,361,250.
Runge, John N. Automatic flocking machine. 3,370,569, 2–27–68, Cl. 118—639.
Runge, John N., to Heinemann Electric Co. Power failure control circuit sensitive to power restoration for a circuit breaker. 3,386,006, 5–28–68, Cl. 317—31.
Runions, Adrian C., to Eastman Kodak Co. Mailing carton for photographic prints and/or their negatives. 3,414,122, 12–3–68, Cl. 206—47.
Runkle, David E. and E. E. Planar attachment for radial arm saw. 3,404,714, 10–8–68, Cl. 144—117.
Runkle, Dean E., to The Bendix Corp. Universal joint. 3,376,713, 4–9–68, Cl. 64—17.
Runkle, Dean E., and R. W. Euler, to The Bendix Corp. Adjustable no-lash axially movable steering column. 3,369,425, 2–20–68, Cl. 74—493.
Runkle, Elmer E.: *See*—
Runkle, David E. and E. E. 3,404,714.
Runner, John W.: *See*—
Hawley, Jesse G., Cook, and Runner. 3,382,009.
Runnion, Ernest E.: *See*—
Mitten, Leonard A. 3,367,377.
Runyan Walter R.: *See*—
Bean, Kenneth E., and Runyan. 3,379,584.
Runyon, Norman G., to Chrysler Corp. Transmission control mechanism. 3,361,234, 1–2–68, Cl. 192—4.
Ruoff, George M., and J. J. Amos, to The Columbus Auto Parts Co. Insulator pin. 3,392,569, 7–16–68, Cl. 72—377.
Ruokolainen, Richard B.: *See*—
Searles, John J., and Ruokolainen. 3,405,575.
Rupar, Walter A., to Polymer Corp., Ltd. Flame retardant latex foam rubber of a blend of vinylidene halide homopolymer and rubbery vinylidene halide copolymer. 3,393,166, 7–16–68, Cl. 260—2.5.
Rupe, Chauncey O., to Miles Laboratories Inc. Composition and method for the detective of galactose. 3,362,886, 1–9–68, Cl. 195—103.5.
Rupe, Chauncey O., and A. C. Hue, to Miles Laboratories, Inc. Test composition and device for the detection of galactose in fluids. 3,367,842, 2–6–68, Cl. 195—103.5.
Rupert, John G., to Honeywell Inc. Control apparatus. 3,366,-370, 1–30–68, Cl. 261—29.
Rupert, John P., to Tobacco Research and Development Institute Ltd. Mechanism for feeding articles into pneumatic pipelines. 3,411,827, 11–19–68, Cl. 302—2.
Rupert, Samuel J., to Hoover Ball and Bearing Co. Method and apparatus for filling liquids into bottles and for capping the same. 3,405,500, 10–15–68, Cl. 53—37.
Rupert, Samuel J., to Hoover Ball and Bearing Co. Apparatus for trim finishing blow molded containers. 3,417,428, 12–24–68, Cl. 18—5.
Ruple, Lewis H. Pipe forming apparatus. 3,370,448, 2–27–68, Cl. 72—176.
Rupley, Don G., to Heath Co. Color television receiver with built-in dot generator. 3,404,222, 10–1–68, Cl. 178—5.4.
Rupp, Hans-Dieter: *See*—
Magerlein, Helmut, Siggel, Rupp, and Meyer. 3,419,630.
Rupp, Hans-Dieter, E. Siggel, G. Meyer, and H. Magerlein, to Glanzstoff AG. Conversion of trithane into carbon disulfide. 3,397,960, 8–20–68, Cl. 23—206.
Rupp, Hans-Dieter, E. Siggel, and G. Meyer, to Vereinigte Glanzstoff-Fabriken AG. Process for the recovery of carbon disulfide from trithiane. 3,404,961, 10–8–68, Cl. 23—206.
Rupp, Heinrich, and A. Norz, to International Standard Electric Corp. Method and arrangement for transmitting and receiving data without errors. 3,398,400, 8–20–68, Cl. 340—146.1.
Rupp, Walter: *See*—
Beermann, Claus, Schmidt, and Rupp. 3,417,163.
Ruppen, Edward W., Jr., to Westinghouse Electric Corp. Compact nuclear reactor heat exchanging system. 3,395,-076, 7–30–68, Cl. 176—65.

Ruppenicker, George F., Jr.: *See*—
Kingsbery, Emery C., and Ruppenicker. 3,381,465.
Ruppert, Heinrich: *See*—
Krimm, Heinrich, Ruppert, and Schnell. 3,418,371.
Ruppert, Keith D., to General Electric Co. Transistorized capacitive reactance frequency modulator. 3,364,442, 1-16-68, Cl. 332—16.
Ruppert, Keith D., to General Electric Co. Indicator lamp circuitry for a recorder. 3,404,311, 10-1-68, Cl. 315—172.
Rupprecht, Georg: *See*—
Luck, Clarence F., Jr., Missio, and Rupprecht. 3,383,621.
Rupprecht, Joachim: *See*—
Hanlein, Walter, and Rupprecht. 3,396,574.
Rupprecht, Joachim, and H. Roth, to Siemens Aktiengesellschaft. Pulling nozzle for oriented pulling of semiconductor crystals from a melt. 3,393,054, 7-16-68, Cl. 23—273.
Ruprecht, Robert, and F. Hamm, to Ernst Heinkel Aktiengesellschaft. Variable-pitch sheave. 3,400,600, 9-10-68, Cl. 74—230.17.
Ruprecht, Wallace C., to Ex-Cel Industries, Inc. Single piece plastic bottle cap. 3,371,814, 3-5-68, Cl. 215—40.
Rusch, Reinhart: *See*—
Werres, Horst, Baumert, and Rusch. 3,366,538.
Rusch, Ronald L., and C. H. Ording, to Aluminum Coil Anodizing Corp. Anodizing apparatus. 3,391,073, 7-2-68, Cl. 204—202.
Rusch, Willard V. T.: *See*—
Webb, James E. 3,417,399.
Rusch, Willy, Firma: *See*—
Kuhn, Franz. 3,363,629.
Rusche, Fredric. Joint for coupled pile driving mandrel. 3,365,220, 1-23-68, Cl. 287—2.
Rusche, Fredric. Method of constructing welded tubular sections of hollow pile driving mandrel. 3,365,788, 1-30-68, Cl. 29—471.1.
Rusche, Fredric. Method for driving thin wall pipe piles. 3,395,543, 8-6-68, Cl. 61—53.7.
Rusche, Fredric. Method of installing liner for thin wall pipe pile. 3,418,817, 12-31-68, Cl. 61—53.52.
Ruschhaupt, Dolph W.: *See*—
Bradshaw, Wilbert C., and Ruschhaupt. 3,403,609.
Ruschig, Heinrich, W. Aumuller, G. Korger, H. Wagner, J. Scholz, and A. Bander, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Benzene sulfonyl ureas and process for their preparation. 3,384,757, 5-21-68, Cl. 260—553.
Ruschman, Donald C., to General Motors Corp. Series parallel sheet media filter element. 3,368,687, 2-13-68, Cl. 210—457.
Ruschman, Donald C., and F. O. Schulte, to General Motors Corp. Series parallel filter element. 3,046,832, 10-22-68, Cl. 210—457.
Rusciti, Oronzo J., to Pines Engineering Co., Inc. Tube bending mandrel. 3,415,107, 12-10-68, Cl. 72—466.
Ruse, Douglas C., to Kalium Chemicals Ltd. Liner assembly and method of using in solution mining. 3,391,962, 7-9-68, Cl. 299—5.
Rusel, Josef: *See*—
Geldmacher, Ernst, Kenn, Popp, and Rusel. 3,378,305.
Rush, David H., to ACR Electronics Corp. Combination apparatus cover and battery pack. 3,370,987, 2-27-68, Cl. 136—135.
Rush, Derek A.: *See*—
Evans, John F. O., and Rush. 3,362,217.
Rush, Derek A., to S. Smith & Sons (England) Ltd. Digital apparatus to correct for attitude errors in aircraft fuel-gauge measurements. 3,361,897, 1-2-68, Cl. 235—150.21.
Rush, James A.: *See*—
Rasmussen, George H., and Rush. 3,413,139.
Rush, Joseph H., and R. G. Marek, to International Harvester Co. Timing nozzle for diesel engine. 3,412,602. 11-26-68, Cl. 73—119.
Rush, Roy C. Lawn and parking lot cleaner. 3,406,424, 10-22-68, Cl. 15—340.
Rush, William F.: *See*—
Huebler, Jack, Rosenberg, and Rush. 3,416,509.
Rusher, Robert L., to E. I. du Pont de Nemours and Co. Bonding thermoplastic materials to substrates with colloidal silica. 3,380,876, 4-30-68, Cl. 161—162.
Rushing, Raymond G., to General Electric Co. Apparatus for effecting coil press-back in inductive devices. 3,407,473, 10-29-68, Cl. 29—205.
Rushing, Raymond G., to General Electric Co. Method of displacing and compacting end turn portions of windings useful in inductive devices. 3,407,482, 10-29-68, Cl. 29—596.
Rushing, Raymond G., to General Electric Co. Methods for effecting coil alterations in inductive devices. 3,407,494, 10-29-68, Cl. 29—606.
Rushmere, John D., to E. I. du Pont de Nemours and Co. Alkaline, cyanide zinc electroplating bath process, and additive therefor. 3,386,898, 6-4-68, Cl. 204—55.
Rushmere, John D., to E. I. du Pont de Nemours and Co. Process for brightening zinc and cadmium electroplate using an inner salt of a quaternized pyridine carboxylic acid and compositions containing the same. 3,411,996, 11-19-68, Cl. 204—50.
Rushmore Homes: *See*—
Erickson, Darrell F. 3,378,964.
Rushneck, Dale R.: *See*—
Petitjean, Donald L., and Rushneck. 3,361,908.
Rushton, Derek, to Joseph Lucas (Industries) Ltd. Electrical pushbutton type switches. 3,392,251, 7-9-68, Cl. 200—159.
Rushton, William E., to Whiting Corp. Evaporator system. 3,385,343, 5-28-68, Cl. 159—26.
Rushton, William E., and G. Kleinman, to Whiting Corp. Method and apparatus for the recovery of fluorine. 3,415,039, 12-10-68, Cl. 55—51.
Rusk, Gerald R., and F. M. Hagquist, deceased, (by Mrs. F. M. Hagquist, executrix), to Freeman Supply Co. Guide means for core boxes and the like. 3,379,239, 4-23-68, Cl. 164—387.
Ruskin, Dan B.: *See*—
Ruskin, Simon L. 3,368,968.
Ruskin Mfg. Co.: *See*—
McCabe, Francis J. 3,401,734.
Ruskin, Simon L., deceased, by D. B. Ruskin, M. Reder, and C. Farhi, executors, to American Machine & Foundry Co. Method for desalinization of water. 3,368,968, 2-13-68, Cl. 210—42.
Rusnok, Edward R. Automatic valve actuated urinal. 3,373,449, 3-19-68, Cl. 4—100.
Ruspino, James G.: *See*—
Lopp, Charles R., Peyer, and Ruspino. 3,375,835.
Russ, George H., and R. L. Wright, Jr., to Westinghouse Electric Corp. X-ray tube power supply for producing a series of selected numbers of consecutive alternating current voltage cycles. 3,413,475, 11-26-68, Cl. 250—100.
Russ, Robert G.: *See*—
Schecter, Roger M., and Russ. 3,395,516.
Russak, Steffen P. Multi-scribe drafting instrument. 3,360,863, 1-2-68, Cl. 33—41.
Russell, Andrew E. Card holding telephone dialing tool. 3,394,480, 7-30-68, Cl. 40—336.
Russell, Arthur G. Co. Inc.: *See*—
Willis, Grant N. 3,379,298.
Willis, Grant N. 3,386,297.
Willis, Grant N., and Lake. 3,415,162.
Russell, Burdsall & Ward Bolt and Nut Co.: *See*—
Muller, Robert J. 3,362,280.
Russell, Carl D. CDR combination high and low pressure power injection heating and refrigeration machine and method. 3,418,825, 12-31-68, Cl. 62—483.
Russell, Charles G., to Ashdee Corp. Article turnover apparatus. 3,364,898, 1-23-68, Cl. 118—62.
Russell, Charles R.: *See*—
Gugliemelli, Lewis A., Weaver, and Russell. 3,377,302.
Russell, Charles W., and T. Lerner, to Bell Aerospace Corp. Receiver tuning for radar and the like. 3,374,480, 3-19-68, Cl. 343—17.2.
Russell, Colonel J., Jr.: *See*—
Glass, Eugene D., and Russell. 3,373,804.
Russell Constructions Ltd.: *See*—
Westbrook, William H. 3,388,798.
Russell, Denis G. Container and method of making same. 3,396,896, 8-13-68, Cl. 229—23.
Russell, Earl D., to Sanders Associates, Inc. Method of constructing lightweight antenna. 3,381,371, 5-7-68, Cl. 29—600.
Russell, Eunice C. Educational device. 3,386,189, 6-4-68, Cl. 35—31.
Russell, Fred J. Double cutout spindle cap. 3,413,829, 12-3-68, Cl. 70—224.
Russell, Fred J. Deadlocking latch construction. 3,414,307, 12-3-68, Cl. 292—2.
Russell, Fred J., R. L. Armstrong, and H. W. Falk; said Armstrong and said Falk assors. to said Russell. Mailbox key-actuated connector. 3,360,971, 1-2-68, Cl. 70—370.
Russell, Fred J., and G. B. Solovieff; said Solovieff assor. to said Russel. Lock-unlock guard. 3,361,463, 1-2-68, Cl. 292—165.
Russell, Fred J., and R. J. Nolin; said Nolin assor. to said Russell. Adjustable strike. 3,361,466, 1-2-68, Cl. 292—341.18.
Russell, Fred J., and P. Cirocco; said Cirocco assor. to said Russell. Removable core with indicator pin. 3,368,375, 2-13-68, Cl. 70—146.
Russell, Fred J., and G. B. Solovieff; assor. said Solovieff to said Russell. Combination slide bolt lock. 3,369,382, 2-20-68, Cl. 70—156.
Russell, Fred J., R. L. Armstrong, and H. W. Falk; said Armstrong and said Falk assors. to said Russell. Lock case retainer. 3,389,587, 6-25-68, Cl. 70—451.
Russell, Fred J., R. L. Armstrong, and F. L. Jennie; said Armstrong and said Jennie assors. to said Russell. Key-actuated mechanism with emergency key. 3,395,558, 8-6-68, Cl. 70—364.
Russell, Fred J., and G. B. Solovieff, to Norris Industries, Inc. Door closer. 3,396,424, 8-13-68, Cl. 16—62.
Russell, Fred J., and R. J. Nolin. Two-way auxiliary bolt. 3,397,002, 8-13-68, Cl. 292—192.
Russell, Fred J., R. L. Armstrong, and H. W. Falk; said armstrong and said Falk assors. to said Russell. Adjustable strike. 3,416,828, 12-17-68, Cl. 292—341.18.
Russell, Fred J., R. L. Armstrong, and H. W. Falk; said Armstrong and said Falk assors. to said Russell. Adjustable strike. 3,416,829, 12-17-68, Cl. 292—341.19.
Russell, Gardner, to Rico Plastics, Inc. Illuminated canopy structure. 3,377,754, 4-16-68, Cl. 52—16.
Russell, George F.: *See*—
Mann, Julius W., and Russell. 3,403,450.
Russell, George F. Process and apparatus for moisture content de-peaking and equalization. 3,399,460, 9-3-68, Cl. 34—1.

Russell, George H. Injector type razor having improved biasing means for positioning the razor blade in shaving position. 3,369,205, 2–20–68, Cl. 30—62.

Russell, George K., and R. E. Burks, to Sundstrand Corp. Pulse width modulated position control circuit. 3,416,052, 12–10–68, Cl. 318—18.

Russell, Gordon C., to Lockheed Aircraft Corp. Intersecting, modular barrier clamp joint. 3,372,519, 3–12–68, Cl. 52—274.

Russell, Henry B., and Sons, Inc.: *See*—
Russell, Joseph F. 3,384,251.

Russell, Herman F. Automatic meat handling and cleaning machine. 3,389,414, 6–25–68, Cl. 15—3.17.

Russell, Hilary F. Self-locking safety support for ladders. 3,395,776, 8–6–68, Cl. 182—108.

Russell, Jack A.: *See*—
Rockwood, Albert M., Russell, Gretzky, and Baldwin. 3,401,937.

Russell, Jack A., to Brunswick Corp. Bowling pinfall totalizer. 3,402,930, 9–24–68, Cl. 273—54.

Russell, James M., III: *See*—
Sinclair, Archibald R., and Russell. 3,397,318.

Russell, James T., to United States of America, Atomic Energy Commission. Method and apparatus for nondestructive determination of U^{235} in uranium. 3,389,254, 6–18–68, Cl. 250—71.5.

Russell, Jerome A. G., and F. D. Neu, to United States of America, Atomic Energy Commission. Optical scanning background density normalizer. 3,361,029, 1–2–68, Cl. 88—14.

Russell, John D.: *See*—
Reib, John C., and Russell. 3,378,887.

Russell, John D., to Microdot, Inc. Method of altering the temperature sensitivity of strain gages. 3,371,411, 3–5–68, Cl. 29—613.

Russell, John D., to Microdot Inc. Apparatus for adjusting the temperature coefficient of wire strain gages. 3,371,516, 3–5–68, Cl. 73—1.

Russell, John D., to Microdot, Inc. Strain gage installations. 3,389,459, 6–25–68, Cl. 29—610.

Russell, John D., to Microdot Inc. Wire strain gage and process for the manufacture thereof. 3,418,711, 12–31–68, Cl. 29—613.

Russell, John R.: *See*—
Steere, Frank W., Jr., and Russell. 3,408,737.

Russell, Joseph F., to Henry B. Russell and Sons, Inc. Truck body loader. 3,384,251, 5–21–68, Cl. 214—302.

Russell, Joseph L., to Halcon International, Inc. Process for the co-production of a styrene and a di-olefin. 3,403,193, 9–24–68, Cl. 260—669.

Russell, Joseph L., to Halcon International Inc. Process for producing proplyene oxide. 3,418,340, 12–24–68, Cl. 260—348.5.

Russell, Joseph L., and H. Olenberg, to Halcon International, Inc. Process for preparing fumaric acid of good color from maleic acid. 3,389,173, 6–18–68, Cl. 260—537.

Russell, Joseph L., and J. B. Feder, to Halcon International, Inc. Process for dehydrating boric acid. 3,397,954, 8–20–68, Cl. 23—149.

Russell, Larry R.: *See*—
Kurillo, Max R., Jr., and Russell. 3,392,794.

Russell, Lewis E., J. D. L. Harrison, and N. H. Brett, to United Kingdom Atomic Energy Authority. Method of producing dense, sintered bodies of UO_2 or UO_2-PuO_2 mixtures. 3,375,306, 3–26–68, Cl. 264—.5.

Russell, Linus E., to Peters & Russell, Inc. Pressure and dry tank switch assembly. 3,387,105, 6–4–68, Cl. 200—81.4.

Russell, Louis A., to International Business Machines Corp. Magnetic switching devices. 3,371,218, 2–27–68, Cl. 307—88.

Russell, Martyn, to Water Conditioning Products Co. Lamp housing lens. 3,364,347, 1–16–68, Cl. 240—26.

Russell, Martyn, to Water Conditioning Products Co. Ground fault detector. 3,386,002, 5–28–68, Cl. 317—10.

Russell, Martyn, to Coilcraft, Inc. Variable reactor having coil and signal coils on toroidal core. 3,390,364, 6–25–68, Cl. 336—110.

Russell, Michael K.: *See*—
Bradbury, Peter, Russell, Kendall, and Newport. 3,370,461.
Parke, Robert E., and Russinik. 3,362,644.

Russell, Michael K., and E. R. Kendall, to Smiths Industries Ltd. Aircraft overshoot director. 3,369,396, 2–20–68, Cl. 73—178.

Russell, Raymond L. Portable room attachment for mobile homes. 3,407,548, 10–29–68, Cl. 52—58.

Russell, Raymond M., to Honeywell Inc. Infrared radiometer array comprising a pair of multi-element subarrays. 3,383,508, 5–14–68, Cl. 250—83.

Russell, Richard, to Willcox & Gibbs Sewing Machine Co. Stand for sewing machines. 3,379,149, 4–23–68, Cl. 112—217.3.

Russell, Robert G., J. H. Willis, and W. C. Shafer, to Owens-Corning Fiberglas Corp. Method for production of mineral fibers. 3,374,074, 3–19–68, Cl. 65—2.

Russell, Robert H., D. Boyko, and J. A. Gilbert, to Electro-Optical Systems, Inc. Toroid transformer electrostatic shield. 3,406,364, 10–15–68, Cl. 336—69.

Russell, Robert J.: *See*—
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Russell, Robert M., to Hercules Inc. Coupling means for corrugated tubing. 3,403,929, 10–1–68, Cl. 285—177.

Russell, T. J. D. Dispensing closure. 3,369,719, 2–20–68, Cl. 222—498.

Russell, Theodore B. Golf ball pickup device. 3,401,970, 9–17–68, Cl. 294—19.

Russell, William E., G. R. Hogg, Jr., and E. C. Thomas, to Great Lakes Carbon Corp. Heating assembly for heat-treating or graphitizing continuously moving materials and process of heat-treating and/or graphitizing flexible fibrous materials. 3,367,640, 2–6–68, Cl. 263—3.

Russell, William F.: *See*—
Karsten, Kenneth S., and Russell. 3,398,181.

Russell, William H.: *See*—
Rees, William W., and Russell. 3,396,023.
Rees, William W., and Russell. 3,403,025.

Russell, William J., to Robertshaw Controls Co. Electrical switching device and parts therefor or the like. 3,386,064, 5–28–68, Cl. 337—313.

Russell, William J., to Robertshaw Controls Co. Thermally responsive control circuit with manual reset. 3,417,305, 12–17–68, Cl. 318—473.

Russell, William S.: *See*—
Champaneria, Ashok J., and Russell. 3,380,858.
Champaneria, Ashok J., and Russell. 3,397,090.

Russell, William S., to Hooker Chemical Corp. Chromate conversion coating for aluminum. 3,385,738, 5–28–68, Cl. 148—6.2.

Russell, William S., to Hooker Chemical Corp. Method for forming improved coatings on metal. 3,397,091, 8–13–68, Cl. 148—6.2.

Russell, William S., to Hooker Chemical Corp. Method for forming improved coating on metal. 3,404,044, 10–1–68, Cl. 148—6.2.

Russell, William S., H. J. Lodeesen, and A. J. Champaneria, to Hooker Chemical Corp. Composition and process for forming improved chromate conversion coatings on aluminum. 3,391,031, 7–2–68, Cl. 148—6.2.

Russell, William S., and S. Farina, to Hooker Chemical Corp. Chromating of zinc and aluminum and composition therefor. 3,404,046, 10–1–68, Cl. 148—6.21.

Russell-French, Harry M.: *See*—
Dean, Walter B., and Russell-French. 3,415,092.

Russenberger, Victor. Momentary actuation pushbutton switch. 3,378,664, 4–16–68, Cl. 200—160.

Russes, Gerald F.: *See*—
Gandolfo, Peter F., and Russes. 3,416,109.

Russnak, Clarence J., to Motorola, Inc. Air droppable apparatus. 3,414,218, 12–3–68, Cl. 244—138.

Russo, Albert, and R. H. Greeley, to All American Engineering Co. Loadlimiter device. 3,372,773, 3–12–68, Cl. 188—1.

Russo, Ann I. Seal-a-bag. 3,381,874, 5–7–68, Cl. 223—7.

Russo, Anthony F., and R. Small. Batting practice device. 3,386,733, 6–4–68, Cl. 273—26.

Russo, Frank R.: *See*—
Varron, Frederick A., and Russo. 3,393,167.

Russo, Ronald D.: *See*—
Heimlich, Henry J., and Russo. 3,394,702.

Russo, Vincent J., to The Roessler Chemical and Industrial Corp. High density ammonium nitrate granules. 3,379,496, 4–23–68, Cl. 23—103.

Russo, Vincent J., to The Chemical and Industrial Corp. Ammonium nitrate explosive and process for producing same. 3,388,014, 6–11–68, Cl. 149—17.

Rustin, Anthony, and L. C. S. Fernandes, to Shawinigan Chemicals, Ltd. Production of peracetic acid. 3,374,205, 3–19–68, Cl. 260—502.

Rustin, Anthony, J. Varjavandi, and E. R. Hayes, to Shawinigan Chemicals Ltd. Epoxide production. 3,379,737, 4–23–68, Cl. 260—348.5.

Ruston & Hornsby Ltd.: *See*—
Baxter, Allan S., Warriner, and Jeffery. 3,396,819.
Whitehead, Herbert A. 3,380,556.

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Ryder, Francis E., to Illinois Tool Works, Inc. Liquid level indicator. 3,417,615, 12–24–68, Cl. 73—327.
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S.A.S.F.lli Benelli G.F. & C.: *See*—
Benelli, Giovanni. 3,389,487.

S.A.T.A.M.-Societe Anonyme pour Tous Appareillages Mecaniques: *See*—
Belle, Pierre. 3,370,465.
Blanchet, Andre F. 3,381,854.

S-B Mfg. Co.: *See*—
Schulz, Donald A. 3,411,740.
Schulz, Herbert H. 3,391,886.

SBD Systems, Inc.: *See*—
De la Lastra, Albert. 3,388,311.

S & C Electric Co.: *See*—
Bernatt, Joseph, and Melster. 3,382,330.
Fahnoe, Harold H. 3,391,368.
Schockelt, Guenter G. 3,385,938.
Schockelt, Guenther G. 3,400,353.

SCM Corp.: *See*—
Anderson, Carl P. 3,384,217.
Anderson, Carl P. 3,384,337.
Avery, Harold T. 3,391,274.
Barkdoll, Joseph P. 3,389,774.
Bordenca, Carl. 3,401,051.
Bordenca, Carl, and Derfer. 3,397,053.
Bradbury, Wilburn F., and Erdman. 3,386,378.
Cappotto, Samuel D. 3,409,111.
Cappotto, Samuel D., and Anderson. 3,381,791.
Clark, Clayton H., and Stefanik. 3,417,690.
Cushman, Gerald D., and Reynolds. 3,401,878.
Gibbons, Ambrose J., Jr., and De Marco. 3,361,775.
Gill, Laurence D. 3,383,344.
Hatcher, Harry R. 3,418,104.
Hatcher, Harry R., and Harr. 3,419,383.
Hatcher, Harry R., and Holtzman. 3,418,105.
Kane, Bernard J., and Albert. 3,383,422.
Kleinschmidt, Edward E. 3,387,087.
Kleinschmidt, Edward E., Bradbury, and Taubmann. 3,387,081.
Kleinschmidt, Edward E., and Taubmann. 3,387,085.
Leavens, Dwight E., and Derfer. 3,396,182.
Mihojevich, Steven, Zerfahs, Ostensen, Berggren, and Glaser. 3,416,860.
Moshier, Edson G. 3,372,629.
Moshier, Edson G., and Canny. 3,396,828.
Nagy Gustave J. 3,388,228.
Ostensen, Ralph G. 3,374,348.
Satterfield, Walter R. 3,396,044.
Shafer, William M. 3,383,198.
Smith, David H., and Cappotto. 3,412,839.
Soenksen, Christian J., and Chinlund. 3,386,362.
Soule, Winsor, Jr. 3,389,400.
Spencer-Strong, George H., and Smith. 3,409,458.
Stromer, Edgar. 3,369,131.
Zeamer, Aaron C., and Cappotto. 3,367,738.

S.E.R.T.E.C. Societe d'Etudes et de Recherches Techniques: *See*—
Seguenot, Gabriel J. 3,387,817.

S-F-D Laboratories, Inc.: *See*—
Farney, George K. 3,361,926.
Farney, George K. 3,387,169.
Farney, George K. 3,411,034.
Farney, George K. 3,414,756.
Farney, George K., and Feinstein. 3,387,170.
Feinstein, Joseph. 3,376,463.
Glenfield, George E. 3,412,284.
Glenfield, George E. 3,414,761.

SI Handling Systems, Inc.: *See*—
Jacoby, Charles E. 3,389,662.
Jacoby, Charles E. 3,390,641.

S.I.L.G.O. Societa Italiana Lavorazione Gomma S.p.A.: *See*—
Strazzari, Vittorio, and Gennasi. 3,384,927.

SKF Industries, Inc.: *See*—
Farrell, Ronald J., and Lannert. 3,384,429.
Farrell, Ronald J., Lannert, and Balsley. 3,399,008.
Gunder, Gottfried E. 3,395,926.
Harris, Tedric A., and Aaronson. 3,410,618.
Lawrence, John C., and Franks. 3,381,378.
Morrison, Thomas W. 3,387,900.

SKF Kugelagerfabriken Gesellschaft mit beschrankter Haftung: *See*—
Stelchele, Joseph. 3,380,138.

S & M Constructors, Inc.: *See*—
Scaravilli, Victor J., and Delisio. 3,383,138.
Scaravilli, Victor J., and Delisio. 3,419,311.

SMC Corp.: *See*—
Clark, Clayton H., and Stefanik. 3,363,238.

SNAM Progetti S.p.A.: *See*—
Brambilla, Giovanni, and Neri. 3,397,257.

SNAM S.p.A.: *See*—
Chini, Paolo, Baradel, Vacca, and De Malde. 3,383,186.
Chini, Paolo, Baradel, Vacca, and De Maldé. 3,394,158.
Chini, Paolo, Santambrogio, and De Malde. 3,362,984.
Marconi, Walter, Cesca, and Fortuna. 3,386,975.
Marconi, Walter, Mazzei, Araldi, and Bruzzone. 3,417,065.
Marconi, Walter, Mazzei, and Cucinella. 3,394,088.
Notari, Bruno. 3,416,888.
Notari, Bruno, and Tolomei. 3,367,741.

S.n.C. Angelo Borsani di E. Borsani & Figli: *See*—
Borsani, Giancarlo. 3,363,281.

SPOFA, Spojene podniky pro zdravotnichou vyrobu: *See*—
Hebky, Jaromir, Jelinek, First, and Kafasek. 3,366,625.
Hebký, Jaromír, Jelínek, and Karásek. 3,404,143.
Janata, Vladimir, and Bydzovsky. 3,390,158.
Kalina, Vladimir, Ulbert, and Masita. 3,384,631.
Protiva, Miroslav, Jirkovsky, Pelz, Metysova, and Ernest. 3,379,729.

S-P Mfg. Corp., The: *See*—
Sampson, Merritt B. 3,396,982.
Sampson, Merritt B. 3,417,672.

SRM Co.: *See*—
Snyder, Clifford H. 3,407,847.
Snyder, Clifford H., Jr. 3,385,614.

S.R.M. Hydromekanik AB.: *See*—
Ahlen, Karl G. 3,401,778.
Ahlen, Karl G. 3,416,636.

S&S Industries Inc.: *See*—
Schwartz, Herbert L. 3,378,012.

S.S.S. Patents Ltd.: *See*—
Clements, Herbert A. 3,362,514.
Clements, Herbert A. 3,395,782.
Sinclair, Harold. 3,405,572.
Sinclair, Harold, and Clements. 3,402,794.

S.T.D. Services Ltd.: *See*—
Chattaway, Maurice D., and Bowen. 3,415,111.

SW Industries, Inc.: *See*—
Hess, Ralph A. 3,395,636.

SWF-Spezialfabrik fur Autozubehor Gustav Rau G.m.b.H.: *See*—
Deutscher, Hans C., Bock, Kohler, and Bauer. 3,408,679.
Deutscher, Hans-Christian, Bauer, and Kohler. 3,416,180.
Kohler, Alfred, and Bock. 3,390,417.
Mutschler, Erich, and Schreiber. 3,377,452.

Saab Aktiebolag: *See*—
Ljungstrom, Gunnar. 3,402,782.
Moller, Hugo. 3,392,563.
Wrennstad, Ander K. H., and Kluft. 3,369,486.

Saad, Michel H., and M. Rogers; said Rogers assor. to said Saad. Apparatus for measuring foot length and width. 3,408,740, 11-5-68, Cl. 33—3.

Saad, Oscar C., and J. T. Otenbaker; said Otenbaker assor. to said Saad. Drain tile structure. 3,369,367, 2-20-68, Cl. 61—11.

Saad, Oscar C., and J. T. Otenbaker. Drain tile structure. 3,416,321, 12-17-68, Cl. 61—13.

Saad, Theodore S., to Sage Laboratories, Inc. High frequency component exhibiting magic T properties. 3,375,471, 3-26-68, Cl. 333—11.

Saal, Frederick A.: *See*—
Aaron, Marvin R., Gray, and Saal. 3,404,231.

Saam, John C., to Dow Corning Corp. Nitrogen-containing organosilicon compounds and their preparation. 3,373,137, 3-12-68, Cl. 260—46.5.

Saam, John C., to Dow Corning Corp. Preparation of silalactones. 3,395,167, 7-30-68, Cl. 260—448.2.

Saar, Werner: *See*—
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Saarem, Myrl J., to Roylyn Inc. Method of sensing loss of gaseous mass and pressure-sensitive switch therefor. 3,373,255, 3-12-68, Cl. 200—140.

Saarem, Myrl J., to Roylyn Inc. Quick-disconnect cap. 3,405,-839, 10-15-68, Cl. 220—46.

Saari, John M., R. L. Schoen, and I. E. Dayton, to The Boeing Co. Broad-beam mass spectrometer having particle energy selection means. 3,397,311, 8-13-68, Cl. 250—41.9.

Saari, Oliver E., to Illinois Tool Works, Inc. Limited slip differential mechanism. 3,375,735, 4-2-68, Cl. 74—711.

Saari, Oliver E., to Illinois Tool Works, Inc. Differential mechanism. 3,375,736, 4-2-68, Cl. 74—711.

Saari, Rudy T., and E. F. Kananen. Bottle and flashlight holder and carrier. 3,369,723, 2-20-68, Cl. 224—5.

Saari, Walfred S.: *See*—
Sax, Karl J., Saari, and Mahoney. 3,374,175.

Saari, Walfred S., to Merck & Co., Inc. Preparation of phenylalamine compounds. 3,399,226, 8-27-68, Cl. 260—471.

Saarinen, Edward, and J. Basiletti, to Continental Aviation and Engineering Corp. Valve retaining means for variable compression ratio pistons. 3,405,698, 10–15–68, Cl. 123—78.
Saarinen, Edward, and T. J. Pearsall, to Continental Aviation and Engineering Corp. Supply valve assembly for variable compression ratio piston assembly. 3,407,791, 10–29–68, Cl. 123—78.
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Saaty, Theodore N.: *See*—
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Sabadishin, Steve. Pictorial plotting board and related plotting device. 3,387,372, 6–11–68, Cl. 33—76.
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Sabat, Arthur G., to Eaton Yale & Towne Inc. Temperature responsive fluid clutch. 3,363,734, 1–16–68, Cl. 192—58.
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Jacobs, Lewis W., and Sabatella. 3,418,536.
Sabatella, Robert J., to General Electric Co. Circuit breaker panel assembly. 3,404,317, 10–1–68, Cl. 317—119.
Sabathie, Michel, and G. Foures, to Societe Anonyme des Laboratoires Robert & Carriere. Apparatus for controlling and for intermittently driving of respirators and other medical apparatus. 3,385,294, 5–28–68, Cl. 128—145.6.
Sabatino, Anthony, to Globe-Union, Inc. Method of assembling battery casings. 3,416,970, 12–17–68, Cl. 136—176.
Sabatino, Anthony, R. A. Buttke, and P. V. Lowe, to Globe-Union Inc. Apparatus for fluxing and preheating plates of a battery stack. 3,415,220, 12–10–68, Cl. 118—58.
Sabatino, Francis V.: *See*—
Donofrio, Frank C., Marshall, Sabatino, and Stotler. 3,364,395.
Sabban, Klaus, and M. Schlichte, to Siemens Aktiengesellschaft. Transfer circuit including a parametric amplifier. 3,378,640, 4–16–68, Cl. 179—15.
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Humpage, William D., and Sabberwal. 3,378,728.
Sabee, Reinhardt. Disposable diaper. 3,386,442, 6–4–68, Cl. 128—287.
Sabin, Cullen M. Fluid anemometer system. 3,368,462, 1–16–68, Cl. 73—204.
Sabins, Rolland C., to Hull Protectors, Inc. System for cathodically protecting a structure. 3,362,900, 1–9–68, Cl. 204—196.
Sabins, Rolland C. Anode formed of lead base and duriron. 3,376,209, 4–2–68, Cl. 204—196.
Sabisky, Edward S., and H. R. Lewis, to Radio Corp. of America. Non-single crystal maser with arbitrary magnetic field direction. 3,366,887, 1–30–68, Cl. 330—4.
Sable, Arthur J.: *See*—
Rubinstein, Leon, and Sable. 3,396,650.
Sable, Donald E. Well pump operator means. 3,364,998, 1–23–68, Cl. 166—9.
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Westall, Thomas E., and Sabo. 3,385,023.
Sabo, Bernard: *See*—
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Sabo, Joseph F. Apparatus for removing radioactive materials from water. 3,372,808, 3–12–68. Cl. 210—95.
Sabonis, Charles J., to General Electric Co. Loudspeaker mounting arrangement. 3,388,298, 6–11–68, Cl. 317—101.
Sabonis, Charles J., to General Electric Co. Arrangement for attaching knobs to radios and the like. 3,390,903, 7–2–68, Cl. 287—53.
Sabulsky, Anthony J., and R. H. Pote, to Ultronic Systems Corp. Quotation board system. 3,418,635, 12–24–68, Cl. 340—154.
Saccardo, Pietro, G. Trada, V. Fattore, and J. Herzenberg, to Montecatini Edison S.p.A. Chromyl-oxyhalide treated carrier as an olefin polymerization catalyst. 3,412,040, 11–19–68, Cl. 252—441.
Saccardo, Pietro, G. Trada, V. Fattore, and J. Herzenberg, to Montecatini Edison S.p.A. Process for producing catalyst compositions and the product of this process. 3,412,041, 11–19–68, Cl. 252—455.
Sacchini, Columbus R., to Curtiss-Wright Corp. Bidirectional no-back spring clutch. 3,361,235, 1–2–68, Cl. 192—8.
Sacchini, Columbus R., to Curtiss-Wright Corp. Means for preventing helical springs in spring clutch mechanisms from buckling. 3,393,777, 7–23–68, Cl. 192—8.
Sacchini, Columbus R., to Curtiss-Wright Corp. Spring clutch with means for absorbing control shock. 3,393,779, 7–23–68, Cl. 192—26.
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Sachnik, Norman H., to Texsteam Corp. Throttling valve and seats therefor. 3,361,407, 1–2–68, Cl. 251—817.
Sachnik, Norman H., and J. L. Culpepper, Jr., to Texsteam Corp. Flow regulator with radially expanding elastomeric block. 3,368,787, 2–13–68, Cl. 251—63.5.
Sachs, Carrol C. Fluid control apparatus. 8,414,016, 12–3–68, Cl. 137—596.2.
Sachs, Charles M., to International Playtex Corp. Brassiere. 3,381,689, 5–7–68, Cl. 128—483.
Sachs, Charles M., to Sarong, Inc. Arched bands brassiere. 3,393,681, 7–23–68, Cl. 128—483.
Sachs, Charles M., to International Playtex Corp. Anti-crease brassiere. 3,411,509, 11–19–68, Cl. 128—494.
Sachs, Charles M., and E. E. Astor, to International Latex Corp. Long-line brassiere. 3,396,728, 8–13–68, Cl. 128—427.
Sachs, Elihu L.: *See*—
Abramowitz, Herbert, and Sachs. 3,415,177.
Sachs, Elihu L. X-ray film package with water soluble separator and water soluble light opaque envelope. 3,374,352, 3–19–68, Cl. 250—68.
Sachs, Harold L., to The Perkin-Elmer Corp. Spectro-radiometer with means for eliminating background noise. 3,398,285, 8–20–68, Cl. 250—217.
Sachs, Jan: *See*—
Checki, Angelo D., Jr., Genualdi, and Sachs. 3,390,450.
Sachs, Leonard W., to Sachs Safety Razor Co., Inc. Plastic disposable safety razor. 3,383,764, 5–21–68, Cl. 30—32.
Sachs, Leonard W., to Sachs Safety Razor Co., Inc. Disposable razor package. 3,394,715, 7–30–68, Cl. 132—79.
Sachs, Peter L.: *See*—
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Sachs, Leonard W. 3,383,764.
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Sack, Ernst T., to Maschinenfabrik Sack G.m.b.H. Sheet metal shearing machine. 3,398,621, 8–27–68, Cl. 83—454.
Sack, Ernst T., M. Hansen, and H. Schenk, to Maschinenfabrik Sack G.m.b.H. Mobile forging manipulators. 3,370,452, 2–27–68, Cl. 72—420.
Sack, Georges H., and G. J. Liloia, to Johnson & Johnson. Extensible sheet material. 3,369,547, 2–20–68, Cl. 128—296.
Sack, Werner, to Jenaer Glaswerk Schott & Gen. Method of producing articles containing predominantly cordierite, anorthiete, spinel and/or forsterite. 3,365,314, 1–23–68, Cl. 106—39.
Sack, Werner, to Jenaer Glaswerk Schott & Gen. Substances for producing crystalline heat resistant coatings and fused layers. 3,380,838, 4–30–68, Cl. 106—39.
Sack, William G. Variable ratio transmission. 3,364,775, 1–23–68, Cl. 74—425.5.
Sackett, A. J., & Sons Co., The: *See*—
Sackett, Walter J., Sr. 3,394,523.
Sackett, Walter J., Sr. 3,406,847.
Sackett, Walter J., Sr., to The A. J. Sackett & Sons Co. Building enclosure of panels. 3,394,523, 7–30–68, Cl. 52—584.
Sackett, Walter J., Sr., to The A. J. Sackett & Sons Co. Automatic bin leveling system. 3,406,847, 10–22–68, Cl. 214—17.
Sackett, Walter J., Sr. Controlled pH scrubber system. 3,409,409, 11–5–68, Cl. 23—283.
Sackett, Walter J., Sr. Twin rotor high efficiency crusher. 3,412,945, 11–26–68, Cl. 241—154.
Sackett, Walter J., Sr. Materials conditioning, weight blender system. 3,414,173, 12–3–68, Cl. 222—506.
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Sacks, Jacob M.: *See*—
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Sacre, Leo D., to American Photocopy Equipment Co. Liquid developer system for photocopy machine. 3,368,525, 2–13–68, Cl. 118—637.
Sada, Fermin T. Kite control apparatus. 3,409,255, 11–5–68, Cl. 244—155.
Saddison, Robert C. Freeze protector. 3,384,123, 5–21–68, Cl. 138—34.
Saddler, Frederick R. Hydraulic trailer jack. 3,387,821, 6–11–68, Cl. 254—86.
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Sadle, Alexander, to Allied Chemical Corp. Polyesters and polyurethane foams from di- and tri-(beta-carboxyethyl) isocyanurates and process for preparing them. 3,370,045, 2–20–68, Cl. 269—75.
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Sadler, Thomas H., to Johns-Manville Corp. Removal of surface active agents from hydrocarbons and the like using chrysotile asbestos fibers. 3,407,137, 10–22–68, Cl. 208—300.
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Sadowski, Edward, and J. P. Mortelliti. Massaging vibrator with means for applying air and light rays to a limb to the body. 3,366,105, 1–30–68, Cl. 128—24.1.
Sadowski, John J. Film inspection machine. 3,406,568, 10–22–68, Cl. 73—159.
Saeger, Waldemar, to Xerox Corp. Synchronizing system for synchronous motor utilizing a frequency divider. 3,408,547, 10–29–68, Cl. 318—18.
Saeger, Waldemar, to Xerox Corp. Frequency discriminator. 3,412,205, 11–19–68, Cl. 178—66.

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Saeter, Peter E., and U. H. A. Lindberg, to Aktiebolaget Astra. 4-methyl-5-(β-chloroethyl)oxazole. 3,401,172, 9-10-68, Cl. 260—307.

Safar, John G., to Allen-Bradley Co. Generator-fed motor speed control with both reference and feedback damping. 3,365,637, 1-23-68, Cl. 318—145.

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Safety Systems, Inc.: *See*—
Johnson, Howard S. 3,382,405.

Safeway Stores Inc.: *See*—
Holder, Jimmie L., and Morgan. 3,411,920.

Saffer, Alfred, and H. Olenberg, to Halcon International, Inc. Process for preparing fumaric acid. 3,361,809, 1-2-68, Cl. 260—533.

Saffer, Michael. Skipping toy and exerciser with counter means. 3,419,269. 12-31-68, Cl. 272—74.

Saffir, Jacob A., to Dentists' Supply Co. Disposable hypodermic syringe. 3,373,743, 3-19-68, Cl. 128—218.

Saffir, Jacob A., to The Dentists' Supply Co. Dental X-ray film package wherein a projection of the X-ray film extends outside the wrapper. 3,374,353, 3-19-68, Cl. 250—69.

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Safford, Moyer M., to General Electric Co. Orthopedic supportive frame. 3,410,553, 11-12-68, Cl. 272—57.

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Ryan, John W., Safianoff, and Morgan. 3,382,526.

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Safir, Sidney R., and R. P. Williams, to American Cyanamid Co. Substituted 3-aminoacrylophenones and method of preparing the same. 3,364,210, 1-16-68, Cl. 260—240.

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Sagal, Matthew W.: *See*—
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Sagalaev, Grigory V.: *See*—
Gôrbunov, Vadim N., Akutin, Sagalaev, Faidel, Sokolov, Aleinikova, Preobrazhensky, and Chernyshev. 3,410,814.

Sagami, Hiroyuki: *See*—
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Sagan, Walter J. Flexible drive chain. 3,368,418, 2-13-68, Cl. 74—246.

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Sagarin, Philip H., to Valve Corp. of America. Actuator cap for spray dispensers. 26,367, 4-9-68, Cl. 222—182.

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Sage, Charles G.: *See*—
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Sage Folding Box Co.: *See*—
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Sage, Ira H.: *See*—
Deemie, Gerald W., Sage, Komsa, Rakus, and Yocum. 3,380,641.
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Sage, Ira M., P. P. Pungitore, and P. J. Totino, to Old Town Corp. Reader-copier apparatus. 3,385,161, 5-28-68, Cl. 88—24.

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Saad, Theodore S. 3,375,471.

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Joyce, Ronald W., Billingslea, Sage, and Marshall. 3,399,596.

Sagehomme, Georges E. M., deceased, by J. M. and M. D. Sagehomme, nee Bertrand, administratrix. Textile machine. 3,375,650, 4-2-68, Cl. 57—98.

Sagehomme, Jeane M. M. D.: *See*—
Sagehomme, Georges E. M. 3,375,650.

Sager, Frederick. Container provided with a vent and spout assembly. 3,386,632, 6-4-68, Cl. 222—482.

Sager, James R.: *See*—
Baker, Theodore C., Mathias, and Sager. 3,395,573.
Myers, Robert J., and Sager. 3,367,493.

Sager, Karl E.: *See*—
Enloe, Kenneth M., and Sager. 3,369,699.

Saginario, Donald I., and A. P. Holler, to General Time Corp. Cycle timer with latching switch plunger. 3,369,085, 2-13-68, Cl. 200—35.

Saginaw Products Corp.: *See*—
Mulholland, George K. 3,366,398.

Sah, Chih-Tang: *See*—
Bittmann, Charles A., and Sah. 3,397,450.

Saha, Arthur W., to Alcan Metal Powders, Inc. Metal pigment and method of making same. 3,389,116, 6-18-68, Cl. 260—37.

Saha, Ontto P., to Carrier Corp. Fuel burner ignitor. 3,404,939, 10-8-68, Cl. 431—263.

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Saharian, Alex, to Sperry Rand Corp. Collector structure operating at a depressed potential for collecting a hollow electron beam. 3,368,102, 2-6-68, Cl. 315—3.

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Kroll, Harry, Sahely, and Lipson. 3,410,703.

Sahiki, Makoto: *See*—
Oshima, Shintaro, Enomoto, Futami, Kabayashi, Kamibayashi, Fukui, Okada, Sahiki, Koyama, Saito, Moriyama, Abe, and Saito. 3,381,138.

Sahlberg, Carol R. Process for breaking down foam. 3,378,500, 4-16-68, Cl. 252—321.

Sahle, Knute, to Borg-Warner Corp. Compressor cooling system. 3,411,315, 11-19-68, Cl. 62—224.

Sahlin Engineering Co., Inc.: *See*—
Cagle, Harlan R. 3,361,240.
Cagle, Harlan R. 3,394,650.
Cagle, Harlan R. 3,399,603.

Sahlsten, Karl L. Target for throwing games. 3,405,942, 10-15-68, Cl. 273—102.1.

Sahlstrom Mfg. Co.: *See*—
Sahlstrom, Nils J. 3,396,912.

Sahlstrom, Nils J., to Sahlstrom Mfg. Co. Slurry handling apparatus. 3,396,912, 8-13-68, Cl. 239—665.

Sahm, Georg. Precision cross-bobbin machine. 3,362,651, 1-9-68, Cl. 242—18.

Sahm, Otto. Method of joining a rope clip to a rope. 3,407,477, 10-29-68, Cl. 29—517.

Sahmel, Otto: *See*—
La Paglia, Anthony J., Rand, and Sahmel. 3,371,027.

Sahores, Jean, to Societe Nationale des Petroles d'Aquitaine. Specimen changer for an X-ray fluorescence spectrometer. 3,415,987, 12-10-68, Cl. 250—51.5.

Sahut d'Izarn, Philippe, to Societe de Constructions Electromecaniques Jeumont-Schneider. Conditional jump sequencing arrangement for a counter register of a computer. 3,402,283, 9-17-68, Cl. 235—92.

Saia, Anthony, and R. E. Edelman, to United States of America, Army. Process of casting a reactive metal. 3,380,508, 4-30-68, Cl. 164—42.

Saia, Frank J.: *See*—
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Saia, Joseph J., to E. I. du Pont de Nemours and Co. Process for explosion-bonding metals. 3,360,848, 1-2-68, Cl. 29—470.

Saiberlich, Erwin W. Shelf mountings. 3,381,636, 5-7-68, Cl. 108—152.

Saiji, Tsutomu: *See*—
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Saijo, Toshiko. Sanitary belt. 3,400,718, 9-10-68, Cl. 128—291.

Saikawa, Toshihiko, H. Kinoshita, and A. Ando, to Kureha Spinning Co., Ltd. and Fuji Iron Works Co., Ltd. Apparatus for automatically transporting and supplying laps from a lap machine. 3,388,432, 6-18-68, Cl. 19—65.

Saila, Clement P., to Sales Imagineering Ltd. Slide projector for producing animated images. 3,366,006, 1-30-68, Cl. 88—24.

Sailers, Young T. Portable incinerator. 3,391,662, 7-9-68, Cl. 110—18.

Sailors, Derward E. Pivotable chimney cap having interiorly operating means. 3,377,939, 4-16-68, Cl. 98—59.

Saines, George S., and R. E. Jones, to Texaco Inc. Method of improving solvent resistance of polycarbonates by treatment with F_2 gas. 3,413,266, 11-26-68, Cl. 260—47.

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St. Clair, Maurice M. Potted plant rotator. 3,360,885, 1–2–68, Cl. 47—40.
St. Clair, Theodore A., and L. A. Godkin, to Textron, Inc. Adjustment flange assembly for gas meter. 3,411,358, 11–19–68, Cl. 73—281.
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Saint-Jacques, Eugene C. Device for the automatic distribution of a stream of powdered or granular material and its application to a high-output loading plant in which sampling is effected either continuously or at regular intervals. 3,397,762, 8–20–68, Cl. 193—21.
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St. Louis Shipbuilding-Federal Barge, Inc.: *See*—
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St. Onge, Ronald J.: *See*—
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St. Pierre, Frederick W.: *See*—
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St. Vrain, Wallace E., and J. J. Mandino, to Mosley Electronics, Inc. Dipole antenna having coaxial cable arms capacitively coupled to spaced tubular radiators. 3,419,872, 12–31–68, Cl. 343—792.
Sainz, Michael A. Vane pump assembly tool. 3,367,016, 2–6–68, Cl. 29—270.
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Sair, Louis, to The Griffith Laboratories, Inc. Production of flavorful protein hydrolysate. 3,391,001, 7–2–68, Cl. 99—17.
Sair, Louis, and S. L. Komarik, to The Griffith Laboratories, Inc. Curing emulsified meat products. 3,391,006, 7–2–68, Cl. 99—159.
Sair, Louis, and S. L. Komarik, to The Griffith Laboratories, Inc. Method of emulsifying and curing meat products. 3,391,007, 7–2–68, Cl. 99—159.
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Saito, Tokuji, K. Kubo K. Kato, and H. Nagashima, to Nippon Carbide Kogyo Kabushiki-Kaisha. Package. 3,411,619, 11–19–68, Cl. 206—65.
Saito, Tsuyoshi, M. Sato, and O. Irie, to Kureha Kasei Kabushiki Kaisha. Dycable crystalline polyolefin compositions. 3,364,281, 1–16–68, Cl. 260—873.
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Sak, James G., to The Dow Chemical Co. Waste treatment process. 3,397,139, 8–13–68, Cl. 210—7.
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Sakagami, Eiichi, M. Ozaki, F. Mizukami, J. Watanabe, T. Shiramoto, N. Furukawa, R. Iida, and K. Jibiki, to Matsushita Electric Industrial Co., Ltd. Air cell including anode and alkali zincate electrolyte. 3,392,057, 7–9–68, Cl. 136—86.
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Sakamoto, Saburo. Battery holding arrangement for a lamp. 3,398,271, 8–20–68, Cl. 240—10.63.
Sakamoto, Toemon. Weft thread cutting device for use in shuttleless looms. 3,372,711, 3–12–68, Cl. 139—122.
Sakamoto, Toemon. Shuttleless loom provided with weft thread storing means. 3,388,722. 6–18–68, Cl. 139—125.
Sakamoto, Yoshichika. Device for projecting photographic slides held by a rectangular filing plate frame. 3,409,352, 11–5–68, Cl. 353—25.
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Sakler, George. Holder for tubes of paint or other substance. 3,387,810, 6–11–68, Cl. 248—108.

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Sako, Fumio F., to FMC Corp. Method of and apparatus for dispensing packaged articles. 3,394,798, 7-30-68, Cl. 206—56.
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Salame, Morris, to Monsanto Co. Non-flammable solvent systems for epoxy resin coatings. 3,399,162, 8-27-68, Cl. 260—33.2.
Salamone, Joseph P. Can openers. 3,383,007, 5-14-68, Cl. 220—48.
Salamone, Joseph P. Container opening caps. 3,401,819, 9-17-68, Cl. 220—48.
Salate, Felipe, to Refaccionaria de Molinos S.A. Material purifying machine. 3,380,585, 4-30-68, Cl. 209—37.
Salathiel, Richard A., to Esso Production Research Co. System for locating underwater objects. 3,409,868, 11-5-68, Cl. 340—3.
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Grabhofer, Herbert, Ulrich, Randolph, Saleck, and Posse. 3,385,704.
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Salerno, Paul G., to Vapor Corp. Means for regulating coolant flow. 3,361,348, 1-2-68, Cl. 236—68.
Salerno, Paul G., to Vapor Corp. Multiple positioned pilot controlled poppet valve. 3,415,269, 12-10-68, Cl. 137—219.
Salerno, Paul G., R. P. Smith, and M. A. Sime, to Vapor Corp. Valve assembly. 3,380,469, 4-30-68, Cl. 137—219.
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Salihi, Jalal T., and M. A. Costantini, to General Motors Corp. Pulse frequency and pulse width control for a modulator. 3,419,818, 12-31-68, Cl. 332—9.
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Salisbury, Keith D., and C. A. Cobb, to Whirlpool Corp. Washing machine agitator with adjustable vanes. 3,399,552, 9-3-68, Cl. 68—134.
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Sallade, George J. Ice cube tray. 3,374,982, 3-26-68, Cl. 249—121.
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Sallein, Werner J. Retractable ladder. 3,386,531, 6-4-68, Cl. 182—207.
Saller, Erik, to FMC Corp. Method of curing of green briquettes by oxidation. 3,384,557, 5-21-68, Cl. 201—22.
Sallinger, Harry A. Differentially elevatable bathtub device. 3,400,410, 9-10-68, Cl. 4—185.
Salloum, Charles R. Parking garage. 3,378,151, 4-16-68, Cl. 214—16.1.
Salloum, Charles R. Automatic circular parking tower. 3,382,990, 5-14-68, Cl. 214—16.1.
Salloum, James S., to Chrysler Corp. Mounting clip for vent window assembly. 3,374,577, 3-26-68, Cl. 49—391.
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Salmet, Gaston, to North American Philips Co., Inc. Radiotransmission system for selective pulse communication between stations which share a frequency band with other stations. 3,375,443, 3-26-68, Cl. 325—64.
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Salminen, Paavo V. L., to Etablissement Pasinveat. Machines for fitting closures on bottles. 3,383,836, 5-21-68, Cl. 53—358.
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Sanders, Paul A., to E. I. du Pont de Nemours and Co. Non-aqueous aerosol foams containing mineral oil. 3,419,658, 12–31–68. Cl. 424—45.

Sanders, Ray W., to Space-General Corp. Transmitter for multiplexed phase modulated signaling system. 3,383,598, 5–14–68, Cl. 325—163.

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Sanderson, Ralph W. Hydraulic shock absorber. 3,362,742, 1–9–68, Cl. 293—1.

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Sanderson, Walter H., to Komline-Sanderson Engineering Corp. Anti-bow bar assembly for filter belt. 3,368,685, 2–13–68, Cl. 210—401.

Sanderson, William R., and J. G. Padelt, to Graflex, Inc. Photographic camera. 3,401,615, 9–17–68, Cl. 95—44.

Sanderson, Wilson I., and R. M. Lasater, to Halliburton Co. Method of determining the extent of return to the surface of an oil well treatment fluid. 3,372,746, 3–12–68, Cl. 166—4.

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Sanzare, Charles P., to Brunswick Corp. Archery target with point of impact detecting and indicating means. 3,398,958, 8–27–68, Cl. 273—102.2.

Sanzare, Charles P., to Brunswick Corp. Archery range with arrow return conveyor. 3,398,959, 8–27–68, Cl. 273—102.2.

Sanzenbacher, William A. Water-conditioning unit. 3,392,837. 7–16–68. Cl. 210—282.

Sapelak, Stephen W. Gauge for measuring pitches of holes in bowling balls. 3,389,475, 6–25–68, Cl. 33—174.

Sapers, Ira, and A. A. Cook, to Arkansas Co., Inc. Dye assistant for polyamides containing alkylene polyamines diamidated with fatty acids, polyethylene glycol fatty acid ester and an alkyl quaternary ammonium compound. 3,399,953, 9–3–68, Cl. 8—54.

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Sapienza, Michael S.: *See*—
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Sapoff, Meyer, to Victory Engineering Corp. Dissipation constant determining device including a multiplier circuit. 3,377,554, 4–9–68, Cl. 324—62.

Sapoff, Meyer, and J. G. Froemel, to Victory Engineering Corp. Method of making a thermistor. 3,364,565, 1–23–68, Cl. 29—612.

Sapoff, Meyer, B. B. Jacobs, and J. G. Froemel, to Victory Engineering Corp. High speed wide range surface sensor thermistor. 3,381,253, 4–30–68, Cl. 338—22.

Sapoff, Meyer, and J. G. Foemel, to Victory Engineering Corp. Method of manufacturing thin film thermistors. 3,392,034, 7–9–68, Cl. 117—217.

Sapolsky, Roger, to E. W. Bliss Co. Clutch control for mechanical devices. 3,371,759, 3–5–68, Cl. 192—85.

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Saraceno, Anthony J., to Pennsalt Chemicals Corp. Coordination polymers. 3,384,605, 5–21–68, Cl. 260—2.

Saradzhev, Lev V., to Gosudarstvenny Nauchno-Issledovatelsky i Proektny Institute azotnoi Promyshlennosti i Produktov Organicheskogo Sinteza. Method of purifying nitric acid. 3,401,095, 9–10–68, Cl. 203—13.

Sarafidis, Christos, to E. I. du Pont de Nemours and Co. Cobalt salt-bisarsine-organometal catalysts for preparing 1,4-dienes. 3,407,244, 10–22–68, Cl. 260—680.

Sarafidis, Christos, to E. I. du Pont de Nemours and Co. Organoaluminum-iron salt-bisarsine catalysts for use in preparing 1,4-dienes. 3,407,245, 10–22–68, Cl. 260—680.

Saraga, Wolja, to Associated Electrical Industries Ltd. Hall effect multiplying arrangement. 3,370,241, 2–20–68, Cl. 329—200.

Saraga, Wolja, to Associated Electrical Industries Ltd. Electric vector product generator. 3,373,272, 3–12–68, Cl. 235—194.

Sarah, Thomas F., to Pflueger Corp. Latch mechanism for the line pickup devices in spinning reels. 3,385,536, 5–28–68, Cl. 29—33.

Sarandos, George A. Apparatus for automatically producing a deodorant block having a handle. 3,416,208, 12–17–68, Cl. 242—84.2.

Sarati, Luigi, and G. Imbrighi, to Societa Italina Telecomunicazioni Siemens S.p.A. Digital logic information signal distributor for multichannel telecommunication systems which pass only one signal at a time. 3,398,296, 8–20–68, Cl. 307—207.

Saravis, Calvin A. Apparatus for semiqualitative, semiquantitative immunodiffusion reactions. 3,378,347, 4–16–68, Cl. 23—253.

Saravis, Calvin A. Apparatus and process for semiqualitative, semiquantitative immunodiffusion reactions. 3,389,966, 6–25–68, Cl. 23—230.

Saravis, Calvin A., and H. Goldsmith. Biochemical test plate. 3,378,481, 4–16–68, Cl. 204—299.

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Noschese, Rocco J., Sarazen, and Williams. 3,372,308.

Sarbach, Ewald, to Aktiengesellschaft Brown, Boveri & Cie. Spark gap arrangement for lightning arrester. 3,366,832, 1–30–68, Cl. 315—36.

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Sarbach, Ronald A., and R. D. Smith, to Westinghouse Air Brake Co. Load modulated combined dynamic and fluid pressure brake control system for railway cars. 3,398,993, 8–27–68, Cl. 303—20.

Sarber, Oliver T. Chuck. 3,413,009, 11–26–68, Cl. 279—2.

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Sare, Carl R., to W. W. Sly Mfg. Co. Dust collector. 3,400,517, 9–10–68, Cl. 55—378.

Sare, James R., R. L. Roplequet, and D. G. Bergeron, to Alta Industries, Inc. Method of manufacturing cellular packing materials. 3,400,037, 9–3–68, Cl. 161—42.

Sare, Ted O. Pond mill. 3,373,821, 3–19–68, Cl. 170—10.

Sarem, Amir M., to Union Oil Co. of California. Method of preparing aqueous solutions of acrylamide polymers with dimethyl sulfoxide. 3,412,060, 11–19–68, Cl. 260—29.6.

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Shen, Tsung-Ying, and Sarett. 3,399,198.

Sarett, Lewis H., to Merck & Co., Inc. Controlling coccidiosis in poultry with 1,4-naphthoquinones. 3,367,830, 2–6–68, Cl. 167—53.1.

Sarett, Lewis H., T. S. Bry, J. Fried, A. E. Oberster, and R. E. Beyler, to Merck & Co., Inc. Process for preparation of estra-4,9-diene-3,17-dione and intermediates in said process. 3,389,135, 6–18–68, Cl. 260—239.55.

Sarett, Lewis H., T. S. Bry, J. Fried, A. E. Oberster, and R. E. Beyler, to Merck & Co., Inc. 3-enol ethers of 17α-haloethynyl-estra 3,5(10),9(11)-trien-17β-ols. 3,389,153, 6–18–68, Cl. 260—397.5.

Sarett, Lewis H., D. R. Hoff, and D. W. Henry, to Merck & Co., Inc. Production of 2-aryl-4(5)-nitroimidazoles. 3,399,211, 8–27–68, Cl. 260—309.

Sargdant, Peter B.: *See*—
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Sargent Engineering Corp.: *See*—
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Sargent, Herbert, to Atlantic Richfield Co. Method for removing olefins and corrosion bodies from organic compounds. 3,394,200, 7–23–68, Cl. 260—676.

Sargent Industries, Inc.: *See*—
Kraus, Peter. 3,404,581.
Valenti, Peter. 3,404,580.
Valenti, Peter, and Wysong. 3,399,581.

Sargent, John C.: *See*—
Clayton, Wilson A., Gunderson, and Sargent. 3,404,031.

Sargent, John W. Stock quotation display device. 3,413,604, 11–26–68, Cl. 340—154.

Sargent, Raymond W., to Simmonds Precision Products, Inc. Hermetically-sealed multi-trimmer potentiometer. 3,373,395, 3–12–68, Cl. 338—164.

Sargent, Robert J. Flexible cover assembly. 3,384,413, 5–21–68, Cl. 296—98.

Sargent, Roger N., and R. M. Wheaton, to The Dow Chemical Co. Repetitive process for the removal and/or recovery of organic acidic compounds from solution. 3,377,369, 4–9–68 Cl. 260—412.5.

Sargent, Ronald J. and C. L., to Thetford Engineering Corp. Flush apparatus for water closets. 3,369,260, 2–20–68, Cl. 4—79.

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Sargent's, C. G., Sons, Corp.: *See*—
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Sariti, Anthony A.: *See*—
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Sarka, Albert J., to Harris-Intertype Corp. Cutting and/or creasing apparatus. 3,375,762, 4–2–68, Cl. 93—58.2.

Sarka, Albert J., to Harris-Intertype Corp. Method and apparatus for feeding webs at cyclically variable speeds. 3,379,351, 4–23–68, Cl. 226—2.

Sarka, Albert J., to Harris-Intertype Corp. Sheet material forming apparatus. 3,383,991, 5–21–68, Cl. 93—58.2.

Sarka, Albert J., to Harris-Intertype Corp. Material processing method and apparatus. 3,410,183, 11–12–68, Cl. 93—36.

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Krepps, James E. 3,372,340.
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Valdettaco, Alarico A., Radger, and Meadows. 3,370,259.
Valdettaro, Alarico A., Badger, and Meadows. 3,407,669.

Sarlo, Dominick J., and B. L. Siegal, to Kenron Aluminum & Glass Corp. Roof structure. 3,389,512, 6–25–68, Cl. 52—11.

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Sarnoff, Stanley J. Cartridge with reflexed burstable diaphragm. 3,391,695, 7–9–68, Cl. 128—218.

Sarnoff, Stanley J. Hypodermic syringe and cartridge for use therewith. 3,396,726, 8–13–68, Cl. 128—218.

Sarnoff, Stanley J., and J. W. Balenger; said Balenger assor. to said Sarnoff. Two compartment cartridge. 3,368,558, 2–13–68, Cl. 128—218.

Sarnoff, Stanley J., and G. B. Calkins. Hypodermic injector with safely held release means. 3,368,559, 2–13–68, Cl. 128—218.

Sarns, Inc.: *See*—
Sarns, Richard N. 3,394,954.

Sarns, Richard N., to Sarns, Inc. Tube coupling for medical appliances. 3,394,954, 7–30–68, Cl. 285—319.

Sarong, Inc.: *See*—
Sachs, Charles M. 3,393,681.
Young, James F., and Ferguson. 3,374,793.

Sarra, Salvatore S., to Daytona Marine Engine Corp. Thermostatic by-pass valves. 3,380,466, 4–30–68, Cl. 137—87.

Sarro, Michele. Spinning disk toy. 3,395,482, 8–6–68, Cl. 46—47.

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Sartarelli, Umberto. Adjustable wristbands. 3,361,311, 1–2–68, Cl. 224—4.

Sarto, Jorma O.: *See*—
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Sarto, Jorma O. Idle mixture adjustment. 3,391,909, 7–9–68, Cl. 261—41.

Sartomer Rasins, Inc.: *See*—
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Sartor, William E., and D. M. Martin, to Calumet & Hecla, Inc. Method of and structure for pressurizing tube sections. 3,364,958, 1–23–68, Cl. 141—4.

Sartori, Guido: *See*—
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Cameli, Nazzareno, Sartori, and Sudati. 3,407,238.
Natta, Giulio, Mazzanti, Valvassori, and Sartori. 3,383,-371.
Turba, Vittorio, Sartori, and Valvassori. 3,387,047.
Valvassori, Alberto, Serra, and Sartori. 3,369,011.

Sartori, Guido, and V. Turba, to Montecatini Edison S.p.A. Exo and endo 7-vinyl-bicyclo (3.2.0)-heptene-2. 3,377,399, 4–9–68, Cl. 260—666.

Sartori, Guido, and V. Turba, to Montecatini Edison S.p.A. Alkenyl cyclobutenes. 3,391,207, 7–2–68, Cl. 260—666.

Sartori, Mario F., to E. I. du Pont de Nemours and Co. 4-methoxy-6-nitrobenzothiazolylazo disperse dyes. 3,405,118, 10–8–68, Cl. 260—158.

Sartori, Mario F., to E. I. du Pont de Nemours and Co. Benzothiazole azo dyes. 3,414,559, 12–3–68, Cl. 260—158.

Sartori, Mario F., to E. I. du Pont de Nemours and Co. Yellow and orange monoazo dyes. 3,417,076, 12–17–68, Cl. 260—205.

Sartorius-Werke vormals Gottinger Praziseonswaagenfabrik G.m.b.H., A.G.: *See*—
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Weickhardt, Ludwig. 3,412,818.
Weickhardt, Ludwig. 3,413,044.

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Sarvay, John T., to The Standard Products Co. Gasketing system. 3,418,773, 12–31–68, Cl. 52—400.

Sarvela, Jaakko H.: *See*—
Vaalimaa, Eino K., and V. J. and J. H. Sarvela. 3,368,706.

Sarvela, Vilho J.: *See*—
Vaalimaa, Eino K., and V. J. and J. H. Sarvela. 3,368,706.

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Sasagawa, Ryusuke, Y. Fujiwara, T. Kosuge, and I. Sano, to Furukawa Denchi Kabushiki Kaisha. Storage battery with transparent cover having connectors in channels. 3,397,089, 8–13–68, Cl. 136—170.

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Sasai, Hideo. Delivery container for perishable foods. 3,410,-328, 11–12–68, Cl. 150—49.

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Sasaki, Hiromu, to Matsushita Electric Industrial Co., Ltd. Process for producing butterfly twin barium titanate single crystals and barium titanate mixture used therein. 3,409,-412, 11–5–68, Cl. 23—300.

Sasaki, Hiroshi, M. Aoki, H. Okada, K. Kinoshita, and T. Shiro, to Ajinomoto Co., Inc. Method of producing 5-amino-4-imidazolecarboxamide ribofuranoside by fermentation. 3,-408,256, 10–29–68, Cl. 195—28.

Sasaki, Jiro. Osmosis filtering method and device. 3,402,818, 9–24–68, Cl. 210—82.

Sasaki, Kanzo, to Shionogi & Co., Ltd. 3-oxo-5α,10α-dihydroxy-estrane compounds. 3,374,229, 3–19–68, Cl. 260—239.55.

Sasaki, Minoru: *See*—
Senda, Kazuo, Ichikawa, Ohzeki, Nakajima, Sasaki, Yasui, and Hirose. 3,374,216.

Sasaki, Nobuo, H. Sugahara, T. Maehara, K. Tsutsumi, and Y. Egami, to Toyo Koatsu Industries, Inc. Manufacture of ammonium sulfamate. 3,404,950, 10–8–68, Cl. 23—114.

Sasaki, Rentaro, and T. Sawaki, to Oki Electric Industry Co., Ltd. Printer in which type is projected and type head moved toward platen. 3,406,807, 10–22–68, Cl. 197—55.

Sasaki, Soji, to Hitachi, Ltd. Method using supersonic waves for measuring stress. 3,364,732, 1–23–68, Cl. 73—67.8.

Sasaki, Yozo, T. Furuoya, and Z. Kinoshita, to Nippon Electric Co. Ltd. Ferromagnetic thin film memory element. 3,411,892, 11–19–68, Cl. 29—183.5.

Sasaoka, Kenzo: *See*—
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Sasaoka, Takenori. Resilient plate clip. 3,416,202, 12–17–68, Cl. 24—259.

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Jeannin, Paul B. 3,406,693.

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Sasnett, Bolling H., Jr. Gasoline pump casing. 3,375,050, 3–26–68, Cl. 312—100.

Sass, Alan: *See*—
Johnson, Roger T., and Sass. 3,370,936.

Sass, Andrew R., to Radio Corp. of America. Nondestructive readout of cryoelectric memories. 3,402,400, 9–17–68, Cl. 340—173.1.

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Kochmann, Werner, Seelmann, Wetzke, Duschek, Frotscher, Muller, Springer, Liedmann, Schmidt, Sass, Armbruster, Triems, and Teutschbein. 3,406,226.

Sassak, Frank. Automated tube multiple bending machine and method. 3,362,209. 1–9–68, Cl. 72—306.

Sassak, Frank, to Bend-Rite, Inc. Ball mandrel. 3,408,851, 11–5–68, Cl. 72—466.

Sassano, Daniel R.: *See*—
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Sasse, Klaus: *See*—
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Siegel, Edgar, and Sasse. 3,377,336.

Sasse, Klaus, E. Kuhle, and L. Eue, to Farbenfabriken Bayer Aktiengesellschaft. 2-quinoxaline pseudoureas. 3,415,828, 12–10–68, Cl. 260—250.

Satake, Toshihiko. Method for preventing adhesion of floury material to the surface of the other object. 3,410,286, 11–12–68, Cl. 137—13.

Satake, Toshihiko. Grain drier. 3,412,478, 11–26–68, Cl. 34—172.

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Satas, Donatas, to The Kendall Co. Porous pressure-sensitive adhesive tapes. 3,364,063, 1–16–68, Cl. 117—98.

Satas, Donatas, to The Kendall Co. Recyclization of ethylene oxide. 3,372,980, 3–12–68, Cl. 21—58.

Satas, Donatas, to Kendall Co. Absorbent pads with silica gel layer for use as surgical receptacles. 3,381,688, 5–7–68, Cl. 128—296.

Satas, Donatas, to The Kendall Co. Spray coated absorbent dressing. 3,399,671, 9–3–68, Cl. 128—156.

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Satchwell, John S., and N. H. Brashaw, to Betts and Co. Ltd. Apparatus for automatically locating capsules on the necks of bottles. 3,374,605, 3–26–68, Cl. 53—307.

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Rysti, Alpo. 3,395,785.

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Sather, Eugene, and L. H. Stocker, to Bell & Howell Co. Inserter. 3,368,321, 2–13–68, Cl. 53—57.

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Satkunas, Bruno, and M. E. Lyons, to Dominion Electric Corp. Driving unit for electric toothbrush. 3,394,277, 7–23–68, Cl. 310—80.

Sato, Akihiko, to Nippon Electric Co. Ltd. Semiconductor variable capacitance element. 3,384,829, 5–21–68, Cl. 330—7.

Sato, Atsushi, and M. Yamauchi, to Hitachi, Ltd. Cathode ray tube screen structure. 3,408,227, 10–29–68, Cl. 117—212.

Sato, Hideo: *See*—
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Sato, Hiroshi: *See*—
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Yoshida, Susumu, and Sato. 3,389,290.

Sato, Hiroshi, and H. Fujiwara, to Hitachi, Ltd. Method and apparatus for arc welding. 3,364,334, 1–16–68, Cl. 219—131.

Sato Hisanao: *See*—
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Sato, Hosei, to Matsushita Electric Industrial Co., Ltd. Semi-automatic pop-up toaster. 3,418,917, 12–31–68. Cl. 99—329.

Sato, Katsuo, and Y. Nakamura, to Nippon Electric Co., Ltd. Method and apparatus for breaking a semiconductor wafer into elementary pieces. 3,396.452, 8–13–68, Cl. 29—413.

Sato, Kenji: *See*—
Senoo, Saburo, Kato, and Sato. 3,374,223.

Sato, Kitatsu: *See*—
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Sato, Makoto: *See*—
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Sato, Masaki, T. Sonoda, Y. Kinoshita, T. Mizushima, and M. Kashiwagi, to Toyo Kayon Kabushiki Kaisha. Disproportionation of toluene. 3,413,374, 11–26–68, Cl. 260—672.

Sato, Masaaki, to Olympus Optical Co., Inc. Tape recorder. 3,419,226, 12–31–68. Cl. 242—55.13.

Sato, Masao, and K. Izumi, to Yawata Iron & Steel Co., Ltd. Apparatus for making hollow tubes of metal plates cut in advance. 3,361,319, 1–2–68, Cl. 228—7.

Sato, Morio, to Kyowa Kako Kabushiki Kaisha. Apparatus for molded plastic products. 3,370,323, 2–27–68, Cl. 18—26.

Sato, Motonobu: *See*—
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Sato, Naotoshi: *See*—
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Sato, Nobuo: *See*—
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Sato, Ryuichi, M. Ikeya, I. Takeishi, and I. Miyauchi, to Nippon Kikai Keiso Kaisha, Ltd. Controlled volume pumps. 3,398,691, 8–27–68, Cl. 103—38.
Sato, Sennosuke, to Nihon Genshiryoku Kenkyusho. Electric furnace having a heating element of carbon or graphite for producing temperatures under high pressures. 3,403,212, 9–24–68, Cl. 13—31.
Sato, Shigetake: *See*—
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Sato, Tetsuo, and H. Oba, to Tokyo Kenki Kabushiki Kaisha. Multicolor printing device for business machines and equipment. 3,415,349, 12–10–68, Cl. 197—157.
Sato, Tetsuya, to Kabushiki Kaisha Teikoku Denki Seisakusho. Device for lubricating pump bearings and balancing axial thrust thereof. 3,364,866, 1–23–68, Cl. 103—87.
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Sato, Yoshiko. Wheel-fitting device for wheelchairs. 3,400,990, 9–10–68, Cl. 308—191.
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Satter, Harvey W., to Condec Corp. Electric governor systems. 3,412,258, 11–19–68, Cl. 290—40.
Satterfield, Walter R., to SCM Corp. Temporary high temperature protective coating agents for metals. 3,396,044, 8–6–68, Cl. 106—66.
Satterthwait, Marvin L., to Rohr Corp. Quick connect-disconnect thermocouple connector. 3,382,478, 5–7–68, Cl. 339—210.
Satterthwaite, James G., and J. B. Macy, Jr. Marine bearing. 3,407,779, 10–29–68, Cl. 115—34.
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Sattler, Frank A., to Westinghouse Electric Corp. Adhesive coated electrical conductors. 3,412,354, 11–19–68, Cl. 336—205.
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Sattler, Robert I., to La Salle Machine Tool, Inc. Method of machining a gear case. 3,389,454, 6–25–68, Cl. 29—406.
Sattler, Robert I., to La Salle Machine Tool, Inc. Preset tool apparatus. 3,402,473, 9–24–68, Cl. 33—185.
Satz, William. Outside seal for container. 3,31,821, 7–9–68, Cl. 220—60.
Satzinger, Gerhard, to Warner-Lambert Pharmaceutical Co. 4-substituted-2-benzhydryl-2-butanol derivatives. 3,395,146, 7–30–68, Cl. 260—247.2.
Satzinger, Gerhard, to Warner-Lambert Pharmaceutical Co. 1H-2,3-benzothiazin-4(3H)-one 2,2-dioxide and process for their production. 3,408,346, 10–29–68, Cl. 260—243.
Sauber, Rudolph S., to Westinghouse Electric Corp. Electrical terminal assembly and method of making same. 3,388,368, 6–11–68, Cl. 339—94.
Sauberlich, Gerhard P., to Elgeo Instruments of America, Inc. Geodetic instrument. 3,417,394, 12–17–68, Cl. 343—6.
Saubestre, Edward B., and J. Hajdu, to Enthone Inc. Immersion type nickel stripper. 3,365,401, 1–23–68, Cl. 252—149.
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Saucier, Lionel H., and F. E. Meyer, to Owens-Illinois, Inc. Box end folding and stapling machine. 3,398,657, 8–27–68, Cl. 93—36.
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Sauder, Gerald D., to Grover Machine Co. Gutter and bracket hanger. 3,416,760, 12–17–68, Cl. 248—48.2.
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Bonzo, Thompson K., and Sauers. 3,371,151.
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Saum, George A., to General Electric Co. Infrared camera tube with cooling means for internal elements. 3,407,322, 10–22–68, Cl. 313—46.
Saums, Harry L., and W. W. Pendleton, to Anaconda Wire and Cable Co. Electromagnetic structures for high-temperature service. 3,365,688, 1–23–68, Cl. 336—222.
Saums, Harry L., and W. W. Pendleton, to Anaconda Wire and Cable Co. Pyrolyzable enamel coated wire comprising manganese and cobalt chelates. 3,367,796, 2–6–68, Cl. 117—215.
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Saunders, Paul D., to Westinghouse Electric Corp. Continuous shroud structure. 3,367,630. 2–6–68, Cl. 253—77.
Saunders, Philip G. Steel rule cutting dies. 3,383,969, 5–21–68, Cl. 83—663.
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Sausik, Albert. Assembling apparatus for hair curler assembly. 3,375,565, 4–2–68. Cl. 29—208.
Sausik, Albert. Assembling apparatus for hair curler assembly. 3,375,566, 4–2–68. Cl. 29—208.
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Sauter, John D., to A. O. Smith Corp. Polyphase full wave rectifier and control. 3,364,412, 1–16–68, Cl. 321—5.
Sauter, John D., and K. L. Daggs, to The Clark Controller Co. Current control circuit including phase shift means for selective firing of a phase controlled switch means. 3,418,-
Sauter, Martin, to Gottl, Kern & Sohn. Balance. 3,403,741, 10–1–68, Cl. 177—243.
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Savage, Donald J., to United States of America, Navy. Ring transient analog delay line. 3,393,327. 7–16–68. Cl. 307—293.
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Savage, Edmund G., to Norton Co. Stabilizing and supporting means for a rotating element. 3,410,029, 11–12–68, Cl. 51—169.
Savage, Harlow D., Jr. Air mixing apparatus. 3,367,259, 2–6–68, Cl. 98—38.
Savage, John V. Web takeup apparatus. 3,390,842, 7–2–68, Cl. 242—67.2.
Savage, John W., to The Susquehanna Corp. Undervoltage and overcurrent battery protections circuit. 3,409,802, 11–5–68, Cl. 317—31.
Savage, Leonard, to Metalac Corp. Remote control mirror. 8,390,588, 7–2–68, Cl. 74—501.
Savage, Phillip D., to Hall Ski-Lift Co., Inc. Ski rescue sled lift device. 3,380,084, 4–30–68, Cl. 5—81.
Savage, Robert H., to General Electric Co. Process and apparatus for the removal of wire enamel insulation. 3,374,117, 3–19–68, Cl. 134—2.
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Savage, Warren F., to United States of America, Air Force. Method of and structure for testing the weldability of high strength steels. 3,410,133, 11–12–68, Cl. 73—100.
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Savides, Christos, and J. E. Milks, ½ to American Cyanamid Co., and Arizona Chemical Co. Antistatic agents. 3,407,187, 10–22–68, Cl. 260—89.5.
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Savin, Cornelius, A. G. Vorwald, and C. R. Vagts, to Antran Corp. Device and method for demonstrating angles within a circle. 3,382,591, 5–14–68, Cl. 35—34.

Savin, Cornelius, A. G. Vorwald, and C. R. Vagts, to Antran Corp. Device and method for deriving the formula for the circumference of a circle. 3,384,975, 5–28–68, Cl. 35—34.

Savin, Cornelius, A. G. Vorwald, and C. R. Vagts, to Antran Corp. Device and method for demonstrating the area of a circle. 3,386,190, 6–4–68, Cl. 35—34.

Savins, Joseph G., to Mobil Oil Corp. Method of decreasing friction loss in turbulent liquids. 3,361,213, 1–2–68, Cl. 169—1.

Savins, Joseph G., to Mobil Oil Corp. Method of fracturing a subterranean formation with a shear thickening liquid. 3,378,073, 4–16–68, Cl. 166—42.

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Savins, Joseph G., and A. B. Metzner, to Mobil Oil Corp. Power transmission device employing a shear thickening liquid. 3,400,796, 9–10–68, Cl. 192—58.

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Savolainen, Unto U., to Texas Instruments, Inc. Heat-dissipating support for semiconductor device. 3,399,332, 8–27–68, Cl. 317—234.

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Sawada, Jiro, S. Omura, H. Nakayoshi, K. Okumura, and T. Kitahara, to Taisho Pharmaceutical Co., Ltd. Antibiotic funginon and a process for producing using aspergillus clavatus. 3,361,629, 1–2–68, Cl. 167—65.

Sawada, Ryoka, and Y. Kaneko, to Hitachi, Ltd. Electron discharge device cavity resonator having a plurality of perforated members alternately positioned at right angles to the beam axis. 3,389,292, 6–18–68, Cl. 315—3.6.

Sawada, Ryoka, and Y. Kaneko, to Hitachi, Ltd. Cavity resonator having alternate apertured drift tubes connected to opposite end walls. 3,390,301, 6–25–68, Cl. 315—5.39.

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Sawano, Susumu, to Kabushiki Kaisha Hitachi Seisakusho. Method and system for optimum control servomechanisms having load inertia variation. 3,366,856, 1–30–68, Cl. 318—18.

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Sawyer, Bruce A. Magnetic positioning device. 3,376,578, 4–2–68, Cl. 346—29.

Sawyer, David E., to Sperry Rand Corp. Photoparametric amplifier diode. 3,399,313, 8–27–68, Cl. 307—311.

Sawyer, Elbert M., to General Motors Corp. Electromechanical bi-directional motion actuator device. 3,361,948, 1–2–68, Cl. 318—130.

Sawyer, Elbert M., to General Motors Corp. Alternator power supply system. 3,378,755, 4–16–68, Cl. 322—29.

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Schayes, Raymond, and I. Kozlowitz, to Societe Anonyme Manufacture Belge de Lampes et de Materiel Electronique. Thermo-luminescent dosimeter comprising two parts mounted in a common evacuated space. 3,408,495, 10–29–68, Cl. 250—71.
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Scheib, Hermann, to Hannes Marker. Heel releasing device for safety ski bindings. 3,415,530, 12–10–68, Cl. 280—11.35.
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Scheibel, Edward G. Liquid-liquid extraction column having rotatable pumping impeller assemblies. 3,389,970, 6–25–68, Cl. 23—270.5.
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Schmukler, Seymour, to General Electric Co. Stabilization of organic materials with biphenyltriols. 3,383,395, 5–14–68, Cl. 260—398.5.
Schmukler, Seymour, to General Electric Co. Reactive polyphenylene oxide composition. 3,396,146, 8–6–68, Cl. 260—47.
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Schmutz, Jean, F. Hunziker, and F. M. Kunzle, to Dr. A. Wander, S.A. 6-homopiperazino and piperazinomorphanthridines. 3,389,139, 6–18–68, Cl. 260—268.
Schmutz, Jean, and F. Hunziker, to Dr. A. Wander S.A. Certain 10-basically substituted-5H-dibenzo[b,e][1,4]diazepine compounds. 3,419,547, 12–31–68, Cl. 260—239.3.
Schnabel, Ernst. Assembly of tubes of different coefficients of thermal expansion. 3,417,786, 12–24–68, Cl. 138—140.
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Schneble, Frederick W., Jr., J. F. McCormick, R. J. Zeblisky, J. D. Williamson, and J. Polichette, to Photocircuits Corp. Chemical metallization and products produced thereby. 3,399,268, 8–27–68, Cl. 174—68.5.
Schneble, Frederick W., Jr., R. J. Zeblisky, J. F. McCormack, and J. D. Williamson. to Process Research Co. Process for stabilizing autocatalytic metal plating solutions 3,403,035, 9–24–68, Cl. 106—1.
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Schneeman, Anthony K., to Clawson Tool Co. Indexing assembly. 3,383,955, 5–21–68, Cl. 74—822.
Schneeweiss, Ralph. Carrying case. 3,390,810, 7–2–68, Cl. 220—115.
Schnegg, Robert, H. Pelousek, and R. Dippelhofer, to Farbenfabriken Bayer Aktiengesellschaft. Polyesteramide prepared by the reaction of a polyamide with an aromatic oxycarboxylic acid ester. 3,383,027, 1–9–68, Cl. 260—857.
Schnegg, Robert, H. Pelousek, R. Dippelhofer, H. Nordt, and H.-A. Dortmann, to Farbenfabriken Bayer Aktiengesellschaft. Polycondensation catalysts for the preparation of polyesters and polyetheresters. 3,412,066, 11–19–68, Cl. 260—47.
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Schneider, Alfred, to The Morgan Engineering Co. Gantry crane for loading barges on ships. 3,390,657, 7–2–68, Cl. 114—43.5.
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Schneider, Eric J., and B. T. Archer, to Engis Equipment Co. Optical scale reading apparatus and method. 3,382,756, 5–14–68, Cl. 88—14.
Schneider, Erich. Laminated container, especially coffin. 3,367,004, 2–6–68, Cl. 27—3.
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Schneider, Friedrich. Picture book and method of making the same. 3,414,296, 12–3–68, Cl. 281—39.
Schneider, Fritz W., to Beteiligungs-und Patentverwaltungsgesellschaft mit Beschrankter Haftung. Pusher type centrifuge with a washing device for the centrifuged material. 3,409,137, 11–5–68, Cl. 210—213.
Schneider, Fritz W., and I. G. Stohlmeier, to Beteiligungs- und Patentverwaultungsgesellschaft mit beschrankter Haftung. Full-envelope centrifuge with discharge screw. 3,419,210, 12–31–68, Cl. 233—7.
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Schneider, Hans-Dieter, to Fernseh G.m.b.H. Transistor amplifier for capacitor-coupled vertical deflection coils in television. 3,392,302, 7–9–68, Cl. 315—27.
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Schneider, Jean-Claude, to Fabrique d'Horlogerie Chs. Tissot et Sils S.A. Time piece hairspring end fastening means. 3,395,532, 8–6–68, Cl. 58—115.
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Genähr, Rudolf, and Brolde. 3,411,011.
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Schneider, Robert A., to Consolidated Electrodynamics Corp. High frequency magnetic head. 3,417,209, 12–17–68, Cl. 179—100.2.
Schneider, Robert A., to Consolidated Electrodynamics Corp. Magnetic head assembly. 3,417,386, 12–17–68, Cl. 340—174.1.
Schneider, Robert M., to American Bosch Arma Corp. Voltage-controlled wien bridge oscillator with servo-controlled strain-sensitive resistances. 3,417,349, 12–17–68, Cl. 331—141.
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Schonfeld, Harald, to Industriewerk Schaeffler OHG. Apparatus for assembly of universal joints independent of the position of the pressure applying means. 3,404,448, 10–8–68, Cl. 29—252.
Schonfelder, Helmut, to Fernseh G.m.b.H. Circuit arrangement for fading color television signals. 3,392,231, 7–9–68, Cl. 178—5.2.
Schonfelder, Max, P. Zuppiger, and G. Bouladon, to Spencer (Melksham) Ltd. Valve for neumatic floating means. 3,417,878, 12–24–68, Cl. 214—1.
Schongs, Bernhard M., H. W. Lau, and J. Behrens. Device for treating exhaust gases. 3,413,804, 12–3–68, Cl. 60—30.
Schonherr, Armin, and W. Pestel, to Licentia Patent-Verwaltungs-G.m.b.H. Stabilizer. 3,401,599, 9–17–68, Cl. 89—41.
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Schonmann, Hermann L., to H. A. Schlatter, A.G. Biasing device for the slide carriage of a butt welding machine. 3,397,300, 8–13–68, Cl. 219—101.
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Mummert, Phillip L. 3,395,214.
Schooling, Reginald G., to Westland Aircraft Ltd. Pressure control systems. 3,364,837, 1–23–68. Cl. 98—1.5.
Schoolley, Arthur T., and O. Reidl. Olefin polymerization catalyst containing an organomagnesium complex and process for synthesis. 3,392,159, 7–9–68, Cl. 260—98.7.
Schoonover, Francis B., and E. J. Niehaus, to Rockwell Mfg. Co. Wood turning duplicator. 3,405,745, 10–15–68, Cl. 142—1.
Schoonover, Russell D. Multi-utility electrical circuit tester including a solenoid with armature indicating means. 3,416,074, 12–10–68, Cl. 324—51.
Schoonover, Stanley C., to Textron, Inc. Control circuit for a direct current motor. 3,411,063, 11–12–68, Cl. 318—381.
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Schoppe, Edward, Jr., and C. M. Gobhai, to The Foxboro Co. Fluid logic anti-coincidence device by delay. 3,366,129, 1–30–68, Cl. 137—81.5.
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Schoppe, Edward, Jr., R. P. Lawler, and W. E. Earle, to The Foxboro Co. Flow totalizing apparatus. 3,409,763, 11–5–68, Cl. 235—151.34.
Schoppe, Fritz. Burner for firing a combustion chamber. 3,414,362, 12–3–68, Cl. 431—58.
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Schorb, John A. Wrench having pivoted jaws adjustable by a lockable exterior camming sleeve. 3,377,893, 4–16–68, Cl. 81—113.
Schorer, Otto J., to Worthington Corp. Apparatus for remote control of drifter rotation. 3,392,957, 7–16–68, Cl. 253—1.
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Schorr, Manfred, W. Durckheimer, and G. Lammler, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Tetrahydro-1,3,5-thiadiazine-2-thiones. 3,373,158, 3–12–68, Cl. 260—243.
Schorr, Manfred, W. Durckheimer, and G. Lammler, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Tetrahydro-1,3,5-thiadiazine-2-thiones. 3,398,146, 8–20–68, Cl. 260—248.
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Schott, Charles M., Jr., to Gloucester Engineering Co. Inc. Blown film die apparatus. 3,388,426, 6–18–68, Cl. 18—14.
Schott, Charles W., to Union Carbide Corp. Method for making high strength spherical glass bodies. 3,389,982, 6–25–68, Cl. 65—21.
Schott, Clarence C. Method and apparatus for continuously melting scrap vehicles. 3,367,769, 2–6–68, Cl. 75—43.
Schott, Clarence C. Process of compressing together pairs of whole scrap vehicles. 3,392,666, 7–16–68, Cl. 100—35.
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Schott, Norman, to Rotor Electric Co., Ltd. Combination car heater and battery charger. 3,418,450, 12–24–68, Cl. 219—279.
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Schott, Samuel C., to Schott Metal Products Co. Method for making large precision die castings from cavityless casting molds. 3,393,726, 7–23–68, Cl. 164—23.
Schott, Wayne M., to Zenith Radio Corp. Stereo amplification system for rumble reduction. 3,394,235, 7–23–68, Cl. 179—100.4.
Schottel, Charles R. Variable speed transmission. 3,374,691, 3–26–68, Cl. 74—674.
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Schowalter, Lewis G., to Von Schrader Mfg. Co. Dry foam type carpet shampooing machine. 3,392,418, 7–16–68, Cl. 15—320.
Schrader, Clarence O., to Technicolor Corp. of America. Stop-frame mechanism for a motion picture projector. 3,397,937, 8–20–68, Cl. 352—169.
Schrader, Clarence O., and J. L. Marcotte, to Eversharp, Inc. Disposable safety razor. 3,378,922, 4–23–68, Cl. 30—66.
Schrader, Donald E., to Hughes Aircraft Co. Display device with electronically controlled persistence. 3,412,398, 11–19–68, Cl. 343—5.
Schrader, Edward R., to Radio Corp. of America. Superconductive magnet having grease between adjacent winding layers. 3,408,619, 10–29–68, Cl. 335—216.

Schrader, Elliott G., to United States of America, Navy. Means for time-locking a receiver intermediate frequency blanking pulse to a transmitter pulse. 3,394,372, 7-23-68, Cl. 343—5.
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Schicke, Hans-Gerd, and Schrader. 3,408,425.
Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Dithiophosphonic acid esters. 3,361,855, 1-2-68, Cl. 260—956.
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Schrader, Lyle K., to Golay & Co., Inc. Sanitizing milking system. 3,385,265, 5-28-68, Cl. 119—14.18.
Schrader, Malcolm E., to United States of America, Navy. Method of improving the bonding characteristics of glass surfaces. 3,416,950, 12-17-68, Cl. 117—106.
Schrader, Malcolm E., and I. Lerner, to United States of America, Navy. Method of improving the strength characteristics of glass reinforced laminates. 3,404,023, 10-1-68, Cl. 117—69.
Schrader, Wilhelm, W. Klinger, and H. P. Heins, to Olympia Werke AG. Half spacing escapement mechanism for typewriters, 3,385,415, 5-28-68, Cl. 197—84.
Schrag, Horst H. Guide line device for lettering. 3,393,456, 7-23-68, Cl. 33—75.
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Schramm, Buford J. Helicopter rotor hub. 3,384,184, 5-21-68, Cl. 170—160.26.
Schramm, Charles H., to J. T. Baker Chemical Co. Process of producing polyoxazolidinone resins. 3,383,358. 5-14-68, Cl. 260—47.
Schramm, Charles H., and M. Zief, to J. T. Baker Chemical Co. Glyoxal monoalkyl hemiacetal. 3,367,973, 2-6-68, Cl. 260—602.
Schramm, Charles H., and M. Zief, to J. T. Baker Chemical Co. Resins of poly(epoxyalkyl - 2-oxabolidinone), phenolic based polyepoxides and monoepoxy compounds. 3,413,377, 11-26-68, Cl. 260—830.
Schramm, Charles H., and C. J. Schmidle, to J. T. Baker Chemical Co. Epoxyoxazolidinones. 3,415,901, 12-10-68, Cl. 260—830.
Schramm, Harry B., deceased, by J. Schramm, executrix, G. M. Raulins, and J. V. Fredd, to Otis Engineering Corp. Means for drilling, completing, producing and treating submarine wells. 3,391,735, 7-9-68, Cl. 166—.5.
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Schramm, Paul, J. Schneider, and J. Heidler; said Schramm and said Heidler assors., to Passavant-Werke. Shut-off plates for controlling the flow of liquids. 3,395,541, 8-6-68, Cl. 61—28.
Schramm, Robert M., R. F. Ptak, and D. L. Swindler, to Square D Co. Electromagnetically-operated, air-break, clapper-type high-voltage contactor. 3,403,239, 9-24-68, Cl. 200—147.
Schranz, Karl W., and W. Puschel, to Agfa Aktiengesellschaft. Silver halide photographic materials containing organic hydrazone compounds. 3,384,484, 5-21-68, Cl. 96—53.
Schraub, Willy, to Scharmann & Co. Method of making guiding means for machine carriages. 3,397,102, 8-13-68, Cl. 156—257.
Schraue, Karl, to G. A. Seewer. Dough working apparatus. 3,370,555, 2-27-68, Cl. 107—9.
Schreck, John T., Jr., and C. E. Lemons, to AMP Inc. Method and means for handling flexible strip material. 3,385,489, 5-28-68, Cl. 226—4.
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Schrecongost, Ray B., to Hammond Corp. Electric organ polyphonic percussion system having multiple use keyers. 3,407,260, 10-22-68, Cl. 84—1.13.
Schreffler, Robert Z., to Allied Chemical Corp. Moving side wall crimping process and apparatus therefor. 3,389,445, 6-25-68, Cl. 28—1.
Schreiber, Anthony J., to Avisun Corp. Apparatus for making continuous films. 3,402,428, 9-24-68, Cl. 18—15.
Schreiber, Bernard, and H. Redemann, to Linde Aktiengesellschaft. Shaft-journaling assembly for rotary machines. 3,398,929, 8-27-68, Cl. 253—39.
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Schreiber, Joseph. Padlock. 3,406,544, 10-22-68, Cl. 70—38.
Schreiber, Joseph and G., 90% to said J. Schreiber, and 10% to said G. Schreiber. Method for cutting keys. 3,388,619, 6-18-68, Cl. 76—110.
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Schreieck, Rainer, to Teldix Luftfahrt-Ausrustungs G.m.b.H. Slip ring assembly and method of making. 3,370,263, 2-20-68, Cl. 339—5.
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Schreiner, Horst, and F. Wendler, to Siemens Aktiengesellschaft. Thermoelectric mosaic interconnected by semiconductor leg protrusions and metal coating. 3,392,061, 7-9-68, Cl. 136—203.
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Schroder, Egbert, K. Kuppers, G. Strieck, and H. Beerens, to Schloemann Aktiengesellschaft. Reeler for rod or wire. 3,405,885, 10–15–68, Cl. 242—83.

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Schröder, Erich, to Siemens-Schuckertwerke Aktiengesellschaft. Rotary vacuum pump of the liquid-ring type. 3,366,314, 1–30–68, Cl. 230—79.

Schroder, Hans, to Windmoller & Holscher. Printing cylinder and process for manufacturing the same. 3,402,449, 9–24–68, Cl. 29—123.

Schroder, Herbert. Dough batching and kneading machine. 3,362,356, 1–9–68, Cl. 107—68.

Schroder, Herbert. Dough dividing or batching machine. 3,403,640, 10–1–68, Cl. 107—68.

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Schroeder, Charles S., to Eaton Yale & Towne Inc. Weston brake hoist construction. 3,399,867, 9–3–68, Cl. 254—168.

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Schroeder, Elmer F., to G. D. Searle & Co. 1-alkenyl-3-alkyl-5-(1-cyanoalkylamino)/(1-cyanoaralkyl-amino)-6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones. 3,395,149, 7–30–68, Cl. 260—256.4.

Schroeder, Erwin, to Precision Scientific Co. Wire looper. 3,374,808, 3–26–68, Cl. 140—102.

Schroeder, Eugene N., to United States of America, Air Force. Time division multiplex matrix data transfer system having transistor cross-points. 3,402,392, 9–17–68, Cl. 340—166.

Schroeder, Fred, Jr. Multiple coil solenoid. 3,389,355, 6–18–68, Cl. 335—266.

Schroeder, George A., to The Gillette Co. Aerosol container and cap therefor. 3,407,975, 10–29–68, Cl. 222—402.13.

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Schroeder, Kenneth K., Jr. Fixture for use in drilling and marking bowling balls. 3,415,146, 12–10–68, Cl. 77—62.

Schroeder, Klaus G., to United States of America, Air Force. Near sidelobe suppression in a single-ring directional array with horizontal beam direction. 3,380,058, 4–23–68, Cl. 343—844.

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Schwartz, Robert A. D., and P. W. Pfeiffer, to United Lighting Ceiling Co. Modular closed louver panel system. 3,368,070, 2-6-68, Cl. 240—9.

Schwartz, Robert T.: *See*—
Hough, Ralph L., and Schwartz. 3,399,252.

Schwartz, Samuel H., to The Dole Valve Co. Multi-range thermal element. 3,381,469, 5-7-68, Cl. 60—23.

Schwartz, Samuel H., to The Dole Valve Co. Integrated solenoid coil and rectifier assembly. 3,384,787, 5-21-68, Cl. 317—123.

Schwartz, Samuel H., to The Dole Valve Co. Solenoid valve. 3,399,697, 9-3-68, Cl. 137—612.1.

Schwartz, Sidney J., to The National Cash Register Co. Magnetic memory including delay lines in both access and sense windings. 3,414,890, 12-3-68, Cl. 340—174.

Schwartz, Theodore F. Chlorinating valve. 3,361,161, 1-2-68, Cl. 137—604.

Schwartz, Theodore F. Electric pot scrubber. 3,378,869, 4-23-68, Cl. 15—93.

Schwartz, Theodore F. Means and method for labeling edible items such as potatoes, other vegetables and fruits or the like. 3,379,600, 4-23-68, Cl. 156—521.

Schwartz, Theodore F. Machine for cutting and forming opposed axial conductors of electronic components. 3,403,540, 10-1-68, Cl. 72—185.

Schwartz, Walter M., Jr., to Proctor-Silex Inc. Coffee percolator. 3,392,662. 7-16-68. Cl. 99—285.

Schwartz, Walter M., Jr., C. R. Turner, and J. C. Fagan, to Proctor-Silex Inc. Electric iron. 3,413,741, 12-3-68, Cl. 38—78.

Schwartz, William A.: *See*—
Craig, Robert G., Friedman, and Schwartz. 3,374,167.

Schwartz, William F.: *See*—
Soulen, John R., and Schwartz. 3,367,983.
Soulen, John R., and Schwartz. 3,377,391.

Schwartzenbek, Eugene F., and J. Turkevich, to Pullman, Inc. Regeneration of platinum and palladium reforming catalyst. 3,400,073, 9-3-68, Cl. 208—140.

Schwartzenberg, John W., to Leeds & Northrup Co. Process controller in which rate action is adaptively modified by process load using a pulse-width modulator. 3,391,315, 7-2-68, Cl. 318—18.

Schwartzenberg, John W., and D. K. Foley, to Leeds & Northrup Co. Polar coordinate converter. 3,371,199, 2-27-68, Cl. 235—189.

Schwartzman, Everett H. Fluid flowmeter. 3,374,674, 3-26-68, Cl. 73—213.

Schwartzman, Everett H. Vacuum pump system. 3,399,827, 9-3-68, Cl. 230—116.

Schwartzman, Gilbert. Applicator having a porous covering integral with a slitted web. 3,368,232, 2-13-68, Cl. 401—206.

Schwartzman, Gilbert. Dauber and closure assembly. 3,370,909, 2-27-68, Cl. 401—206.

Schwartzman, Gilbert. Applicator with brush. 3,372,426, 3-12-68, Cl. 401—183.

Schwartzman, Gilbert. Fluid dispenser. 3,378,330, 4-16-68, Cl. 401—260.

Schwartzman, Gilbert. Narrow line applicator. 3,379,490, 4-23-68, Cl. 401—214.

Schwartzman, Gilbert. Squeeze container type applicator. 3,390,940, 7-2-68, Cl. 401—186.

Schwartzman, Gilbert. Squeeze container applicator. 3,400,997, 9-10-68, Cl. 401—186.

Schwartzman, Gilbert. Concave diaphragm applicator. 3,410,645, 11-12-68, Cl. 401—135.

Schwartzman, Gilbert. Sealing means for applicator. 3,414,360, 12-3-68, Cl. 401—134.

Schwartzman, Gilbert. Pressure operated applicator and cap construction. 3,418,055, 12-24-68, Cl. 401—206.

Schwartzman, Leon: *See*—
Lorenzo, John J., Nagel, and Schwartzman. 3,373,434.

Schwartzopf, Lewis J., and J. S. Lavender, Jr., to Marathon Oil Co. Audio readout of remotely located meter. 3,377,429, 4-9-68, Cl. 179—6.

Schwartzwalder, Karl: *See*—
Subramanya, Bettadapur S., Riddel, and Schwartzwalder. 3,376,367.

Schwarz, Abraham: *See*—
Kohn, David H., Schwarz, and Spiegler. 3,370,021.

Schwarz, Albert J.: *See*—
Pester, William B., and Schwarz. 3,386,195.
Pester, William B., Schwarz, and Seitz. 3,411,845.

Schwarz Bioresearch, Inc.: *See*—
Gutcho, Sidney. 3,389,133.
Laufer, Louis, and Town. 3,396,156.

Schwarz, Brouno: *See*—
Schwarz, Hellmuth. 3,414,313.

Schwarz, Eckhard C. A., to E. I. du Pont de Nemours and Co. Homopolymeric and copolymeric esters of durohydroquinone. 3,374,202. 3-19-68. Cl. 260—47.

Schwarz, Eckhard C. A., to E. I. du Pont de Nemours and Co. Method of coating a synthetic polymeric material by cross-linking a polysiloxane containing 2-cyanoethyl and 2-carboxyethyl groups. 3,379,564, 4-23-68, Cl. 117—188.8.

Schwarz, Frank: *See*—
Ward, Kenneth A., Falk, and Schwarz. 3,379,883.

Schwarz, George M., Jr., to Gold Medal Folding Furniture Co. Collapsible chair of the knock-down type. 3,379,474, 4-23-68, Cl. 297—440.

Schwarz, Gerhard, to Compur-Werk Gesellschaft mit beschrankter Haftung & Co. Photographic camera mechanism. 3,385,186, 5-28-68, Cl. 95—10.

Schwarz, Hans-Helmut, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of nitriles. 3,393,222. 7-16-68. Cl. 260—465.2.

Schwarz, Hanshelmut, J. Schneider, H. Schnell, and O. Immel, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of lactams. 3,418,314, 12-24-68, Cl. 260—239.3.

Schwarz, Hellmuth, to Brouno Schwarz. Device fabricated from one cut for holding and carrying containers. 3,414,313, 12-3-68, Cl. 294—87.2.

Schwarz, Herbert: *See*—
Dankert, Gerhard, Kinkwart, Kocher, and Schwarz. 3,395,157.

Schwarz, John Boss, *See*—
Bartik, William J., Chow, Schwarz, and Murphy. 3,399,309.

Schwarz, John F.: *See*—
Fischer, Earl L., and Schwarz. 3,361,089.

Schwarz, Karl: *See*—
Grabner, Herbert, and Schwarz. 3,411,654.

Schwarz, Leo L. System for elimination of condensation in fuel storage tanks. 3,396,744, 8-13-68, Cl. 137—246.23.

Schwarz, Theodor: *See*—
Elflein, Friedrich, Hudetz, and Schwarz. 3,363,386.

Schwarz, Theodor. Mold for making synthetic resin foam plates. 3,384,335, 5-21-68, Cl. 249—67.

Schwarze, Werner: *See*—
Westlinning, Hermann, Wolff, and Schwarze. 3,366,598.

Schwarze, Werner, to Deutsche Gold- und Silber-Schneideanstalt vormals Roessler. Phosphorus substituted aromatic ureas. 3,384,683, 5-21-68, Cl. 260—938.

Schwarzenbach, Earl E.: *See*—
Medicks, Peter A., and Schwarzenbach. 3,411,375.

Schwarzenbek, Eugene F., to Pullman Inc. Halogenation process. 3,363,010, 1–9–68, Cl. 260—648.
Schwarzer, Carl G., to Shell Oil Co. Carbonyl-containing epoxides. 3,368,986, 2–13–68, Cl. 260—2.5.
Schwarzer, Carl G., to Shell Oil Co. Flame retardant phenolic resin compositions. 3,369,056, 2–13–68, Cl. 260—838.
Schwarzer, Carl G., to Shell Oil Co. Flame retardant phenolic polyglycidyl ether resin compositions. 3,385,908, 5–28–68, Cl. 260—830.
Schwarzer, Esther: *See*—
Schwarzer, Henry and E. 3,400,510.
Schwarzer, Franz, and H. Macholdt, to Kalle Aktiengesellschaft. Improving the solubility of high-molecular weight substances by dialdehyde polysaccharide treatment. 3,372,-156, 3–5–68, Cl. 260—232.
Schwarzer, Henry and E. Calendar clock. 3,400,510, 9–10–68, Cl. 58—4.
Schwarzkoff, August: *See*—
Renner, Gerda, Schneider, and Schwarzkoff. 3,363,827.
Schwarzkopf, Anton. Amusement ride. 3,403,633, 10–1–68, Cl. 104—68.
Schwarzkopf, August, to Windmöller & Hölscher. Snap fastener. 3,376,618, 4–9–68, Cl. 24—208.
Schwarzkopf Development Co.: *See*—
Pipitz, Egon, Strohmeier, and Sedlatschek. 3,398,923.
Pipitz, Egon, Strohmeier, and Sedlatschek. 3,412,194.
Pipitz, Egon, Strohmeier, and Tarmann. 3,414,046.
Schwarzkopf, Hans: *See*—
Lukesch, Heinz, and Krakowsky. 3,405,832.
Schwarzkopf, Peter, and D. A. Pearson, to North American Rockwell Corp. Fabrication of poly porosity microstructures. 3,362,818, 1–9–68, Cl. 75—201.
Schwarzrock, Karl, to Willy Muller. Method and apparatus for manufacturing reinforced multilayer films. 3,870,999, 2–27–68, Cl. 156—172.
Schwebel, Adolf, to Mabeg Maschinenbau G.m.b.H. Nachf. Hense & Pleines G.m.b.H., & Co. Sheet feeder for a sheet processing machine. 3,411,769, 11–19–68, Cl. 271—10.
Schwebel, Charles D. Thermo-electric conversion apparatus. 3,365,652, 1–23–68, Cl. 322—2.
Schwebel, Irving, to Lake Park Machinery, Inc. Forming device for bun making machine. 3,417,713, 12–24–68, Cl. 107—4.
Schweers, Karl D., to Airequipt Inc. Metal slide magazine. 3,416,250, 12–17–68, Cl. 40—79.
Schwegler, Edwin, to Bauer AG. Cylindrical lock with associated key. 3,412,588, 11–26–68, Cl. 70—358.
Schwegler, Roy F., to Ametek, Inc. Ironing machine. 3,395,-468, 8–6–68, Cl. 38—55.
Schweiger, Josef, to Shell Oil Co. Apparatus for blow-molding of hollow plastic articles. 3,382,532, 5–14–68, Cl. 18—5.
Schweiger, Josef, to Shell Oil Co. Containers with squeezed bottom seam. 3,417,892, 12–24–68, Cl. 215—1.
Schweiger, Richard G., to Kelco Co. Polymeric derivatives of cationic xanthomonas colloid derivatives. 3,376,282, 4–2–68, Cl. 260—209.6.
Schweiger, Richard G., to Kelco Co. Sulfation of guar and locust bean gum. 3,386,992, 6–4–68, Cl. 260—234.
Schweiger, Richard G., to Kelco Co. Reaction of starch with a sulfur trioxide-amide complex resulting in an undegraded starch sulfate. 3,401,160, 9–10–68, Cl. 260—233.5.
Schweiger, Richard G., and J. J. O'Connell, to Kelco Co. Gels and methods of producing same. 3,386,921, 6–4–68, Cl. 252—316.
Schweighofer, Horst M., and K. C. Emerson, to Collins Radio Co. Rollout guidance display. 3,882,851, 5–7–68, Cl. 235—150.22.
Schweighofer, Johann: *See*—
Weinrotter, Ferdinand, Muller, Schmidt, Bohler, Schweighofer, and Krulla. 3,388,533.
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Stapfer, Jakob. 3,380,677.
Schweitzer, Armin: *See*—
Buschmann, Karl, Meyer, Nonnenmacher, and Schweitzer. 3,414,632.
Schweitzer, Edmund O., Jr. Electric current responsive means including a portable magnet indicator. 3,413,548, 11–26–68, Cl. 324—133.
Schweitzer, Eugen, to Movit Industrieanstalt. Step motor including a U-shaped core with alternately energizable field windings thereon. 3,378,707, 4–16–68, Cl. 310—49.
Schweitzer, William O. Spinning lariat. 3,401,932, 9–17–68, Cl. 272—75.
Schweizer, August: *See*—
Benz, Jakob, and Schweizer. 3,366,621.
Dore, Jacky, Ischer, Maderni, Schneider, and Schweizer. 8,406,161.
Schweizer, August, and H. Uehlinger, to Fidelity Union Trust Co., executive trustee. Water-soluble, metal-containing reactive disazo dyes. 3,361,734, 1–2–68, Cl. 260—147.
Schweizer, Eduard H. Gripper for phonograph record disks. 3,410,592, 11–12–68, Cl. 294—16.
Schweizer, Erich: *See*—
Meier, Edwin, and Schweizer. 3,374,163.
Schweizer, Ernst: *See*—
Schmidt, Paul, Schweizer, Eichenberger, and Wilhelm. 3,374,227.
Schweizer, Hans R., to Eastman Kodak Co. Phenazine-1,4-dicarboxylic acids and esters thereof. 3,379,728, 4–23–68, Cl. 260—267.
Schweizer, Hans R., to Eastman Kodak Co. Dialkyl 1,2,3,4-tetrahydrophenazine-1,4-dicarboxylates. 3,385,855, 5–28–68, Cl. 260—250.
Schweizer, Paul E., and R. K. Thompson, Jr., to Bell Telephone Laboratories, Inc. Key operated lock. 3,402,581, 9–24–68, Cl. 70—355.
Schweizer, Walter: *See*—
Gros, Hermann, and Schweizer. 3,388,684.
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Schweizerische Wagons- und Aufzugefabrik Ag.: *See*—
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Schweller, Robert J., to General Motors Corp. Method of manufacturing shock absorber subassemblies. 3,375,345, 3–26–68, Cl. 219—107.
Schweller, Robert J., to General Motors Corp. Method of manufacturing shock absorber subassemblies. 3,376,404, 4–2–68, Cl. 219—107.
Schwend, Fred N., to Clary Corp. Serial data printer having plural hammers actuated in sequence. 3,388,782, 6–18–68, Cl. 197—49.
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Schwendemann, Edward T., to Inland Steel Co. Mineral-coated, galvanized steel article. 3,367,753, 2–6–68, Cl. 29—195.
Schweng, Otto, to Vereinigte Osterreichische Eisen- und Stahlwerke Aktiengesellschaft. Rope or chain rupture safety device on blowing devices for refining crude iron. 3,398,906, 7–23–68, Cl. 266—34.
Schwenger, David G.: *See*—
Guilbault, Lawrence J., and Schwenker. 3,414,856.
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Schwenzfeger, Edward E.: *See*—
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Schwenzfeier, Otto, to Shell Oil Co. Gear engagement guide mechanism for gear-type orbiting-mass oscillator. 3,402,-611, 9–24–68, Cl. 74—61.
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Schwerdle, Arthur, to Vineland Chemical Co. Stabilized methyl arsine oxide composition. 3,410,885, 11–12–68, Cl. 260—440.
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Schwerin, Andre K., deceased (by J. Schwerin, administratrix), C. E. Diener, and S. Levinos, to General Aniline & Film Corp. Photopolymer offset printing plates. 3,388,995, 6–18–68, Cl. 96—86.
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Schwertfeger, Owen J., and F. D. Brill, to The Seeburg Corp. Pumping device and central control unit. 3,401,639, 9–17–68, Cl. 103—11.
Schwertfeger, Owen J., and F. D. Brill, to The Seeburg Corp. Infusor apparatus. 3,413,907, 12–3–68, Cl. 99—287.
Schwertz, Frederick A., and F. H. Smith, Jr., to Xerox Corp. Thinfilm inductor elements. 3,413,716, 12–3–68, Cl. 29—602.
Schweser, Frederick G. One piece insert body. 3,409,323, 11–5–68, Cl. 296—28.
Schwesinger, Gerhard, and K. Schrumpf, to Carl Zeiss-Stiftung, d.b.a. Carl Zeiss. Projector for slowly changing pictures, particularly for use in a projection-planetarium. 3,382,026, 5–7–68, Cl. 352—84.
Schweter, Walter, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Continuous production of ethylene cyanohydrin. 3,395,172, 7–30–68, Cl. 260—465.6.
Schwettmann, Frederic N., to Texaco Inc. Alkylation method for producing phenylenediamines. 3,384,664, 5–21–68, Cl. 260—577.
Schwiebert, Phillip D., to MacLean-Fogg Lock Nut Co. Impact energy absorption device. 3,402,925, 9–24–68, Cl. 267—71.
Schwiebert, Phillip D., and E. S. Steck, to MacLean-Fogg Lock Nut Co. Heavy duty lading tie-down anchor. 3,409,-264, 11–5–68, Cl. 248—361.
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Schwindy, Robert C., to Ethyl Corp. Method and apparatus for interfusing thermoplastic material. 3,417,970, 12–24–68, Cl. 259—7.
Schwing, Friedrich W. Tubular column for conveying concrete or the like. 3,409,334, 11–5–68, Cl. 302—64.
Schwing, Richard C., to General Motors Corp. Refrigerating system with roughened restrictor tube. 3,394,563, 7–30–68, Cl. 62—511.
Schwinghamer, Robert J., and L. E. Foster, to United States of America, National Aeronautics and Space Administration. Magnetomotive metal working device. 3,360,972, 1–2–68, Cl. 72—56.
Schwinn Bicycle Co.: *See*—
Brilando, Frank P. 3,401,954.
Brilando, Frank P., and Blaho. 3,406,587.
Brilando, Frank P., and Jameson. 3,383,940.
Fritz, Albert J., and Brilando. 3,408,090.
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Sciacca, Giuseppe. Reed type musical instrument and improved mouthpiece therefor. 3,413,884, 12–3–68, Cl. 84—383.
Sciaky, David, to Welding Research, Inc. Vacuum chamber. 3,365,091, 1–23–68, Cl. 220—4.
Sciaky, David, to Welding Research, Inc. Electron beam welding apparatus. 3,389,240, 6–18–68, Cl. 219—121.
Sciaky, David, to Welding Research, Inc. Electrode holder for resistance welder. 3,399,289, 8–27–68, Cl. 219—86.
Sciaky, David, to Welding Research, Inc. Arrangement of the diode as a single unit and in a group. 3,412,294, 11–19–68, Cl. 317—234.
Scialom, Jacques. Method and means for attaching teeth and the like to the maxillar bone. 3,386,169, 6–4–68, Cl. 32—10.
Scibbe, Harold R., to TRW, Inc. Anti-skid modulated brake system responsive to rotational and linear deceleration. 3,402,973, 9–24–68, Cl. 303—21.
Scibona, Giancarlo: *See*—
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Scidmore, Don L., to Honeywell Inc. Communication apparatus. 3,370,126, 2–20–68, Cl. 179—1.5.
Scidmore, Wright H., to United States of America, Army. Wide angle eyepiece. 3,390,935, 7–2–68, Cl. 350—206.
Scidmore, Wright H., and M. D. Flanagan, to United States of America, Army. Wide angle eyepiece with large eye relief. 3,384,434, 5–21–68, Cl. 350—208.
Science Progress, Inc.: *See*—
McDonald, Dan. 3,365,395.
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Science Union et Cie, Societe Francaise de Recherche Medicale: *See*—
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Scienco, Inc.: *See*—
Vanderjagt, John A. 3,379,411.
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Hollis, John S., and Chastain. 3,395,347.
Inman, Richard B. 3,398,500.
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Scigliano, Joseph J., to Aerojet-General Corp. Castable propellant compositions containing isoolefin-diolefin copolymers. 3,399,087, 8–27–68, Cl. 149—19.
Scigliano, Joseph J., H. H. Weyland, and E. E. Hamel, to Aerojet-General Corp. Preparation of trimesoyl chloride. 3,364,259, 1–16–68, Cl. 260—544.
Scinta, Anthony C.: *See*—
Deibel, Raymond A., and Scinta. 3,418,678.
Scinta, Anthony C., to Trico Products Corp. Windshield wiper assembly. 3,378,874, 4–23–68, Cl. 15—250.32.
Scinta, Anthony C., to Trico Products Corp. Wiping blade for curved windshields. 3,390,415, 7–2–68, Cl. 15—250.42.
Scinta, Anthony C., to Trico Products Corp. Windshield wipers. 3,390,416, 7–2–68, Cl. 15—250.42.
Scinta, Anthony C., to Trico Products Corp. Windshield wiper blade. 3,393,419, 7–23–68, Cl. 15—250.42.
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Sciulli, Charles M., Jr.: *See*—
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Sciuto, Franco: *See*—
Bredael, Ivo, and Sciuto. 3,364,360.
Sclafani, Ben J., to Lightcraft of California. Fixture holding assembly. 3,362,670, 1–9–68, Cl. 248—318.
Scobee, Robert R., to United States of America, Army. Hybrid rocket motor having turbulator-mixer apparatus. 3,397,540, 8–20–68, Cl. 60—251.
Scobel, Hugo, and F. Steidle, to Maschinenfabrik Augsburg-Nurnberg, A.G. Method of removing crankshaft bushings from internal combustion engines. 3,413,709, 12–3–68, Cl. 29—427.
Scocozza, Fred J. Cutter for pieces of piping. 3,396,467, 8–13–68, Cl. 30—95.
Scoggin, Barry A.: *See*—
Knell, Harvey A., and Scoggin. 3,363,711.
Scoggins, Bobby N., and J. W. Thompson, to Eastman Kodak Co. Stabilizing and sweetening additive for hydrocarbons. 3,404,087, 10–1–68, Cl. 208—207.
Scoggins, Bobby N., and L. P. Foster, to Eastman Kodak Co. Two-cycle engine lubricant and fuel. 3,409,553, 11–5–68, Cl. 252—57.
Scoggins, Lacey E., and T. A. Yokley, Jr., to Phillips Petroleum Co. Complexes of phosphonium compounds with trialkylalumingms and uses therefor. 3,367,989, 2–6–68, Cl. 260—683.15.
Scola, Daniel A., to Monsanto Research Corp. 2,4-dihydroxyacetophenone dimethylhydrazone. 3,362,994, 1–9–68, Cl. 260—566.
Scola, Joseph, to Vargas Mfg. Co. Tube clamp. 3,419,245, 12–31–68, Cl. 251—10.
Scoledge, Robert F.: *See*—
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Seidel, Harold, to Bell Telephone Laboratories, Inc. Mechanical amplifier. 3,405,570, 10–15–68, Cl. 74—661.
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Seidel, Harold, to Merrimac Research and Development Inc. Continuously variable resolver and systems using the same. 3,419,824, 12–31–68, Cl. 333—24.
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Seller, Edwin E. Fishing rod carrier. 3,406,930, 10–22–68, Cl. 244—118.
Seller, Ernst E., to United States of America, National Aeronautics and Space Administration. Method for leakage testing of tanks. 3,399,574, 9–3–68, Cl. 73—49.2.
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Seller, Hermann, to Hermann Seller & Sohn AG. Method for the drying and burning of sewage sludge and plant for carrying out this method. 3,410,233, 11–12–68, Cl. 110—15.
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Selner, Jerome A., to Pittsburgh Plate Glass Co. Amide interpolymerization in organic solvent using H_2O_2. 3,366,605, 1–30–68, Cl. 260—72.
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Seltz, Thomas H., to North American Rockwell Corp. Insulated tank. 3,415,408, 12–10–68, Cl. 220—15.
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Selz, Rudolf, and H. Eickhoff, to Bochumer Eisenhuette Heintzmann & Co. Safety valve for ventilating shafts of shelters and the like. 3,369,476, 2–20–68, Cl. 98—119.
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Seki, Susumu, Y. Oya, and H. Ando, to Kabushiki Kaisha Hitachi Seisakusho. Numerical control system for command speeds of tri-dimensional displacements. 3,370,239, 2–20–68, Cl. 328—155.
Seki, Teruya, and Y. Watanabe, to Taisho Pharmaceutical Co., Ltd. Aluminum N-(3-trifluoromethylphenyl) anthranilate. 3,409,655, 11–5–68, Cl. 260—448.

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Sekmakas, Kazys, to De Soto, Inc. Solvent-soluble, non-gelled interpolymer comprising resinous hydroxy-terminated polyethylenically unsaturated polyurethane. 3,368,988, 2–13–68, Cl. 260—21.

Sekmakas, Kazys, to De Soto, Inc. Thermosetting blend of alkylolated amide-containing interpolymer and hydroxy-functional interpolymer containing maleic anhydride group partially esterified with alcohol and reacted with monoepoxide. 3,389,103, 6–18–68, Cl. 260—21.

Sekmakas, Kazys, and K. Drunga, to De Soto, Inc. High temperature simultaneous copolymerization and alkylolation of thermosetting amide interpolymers. 3,368,999, 2–13–68, Cl. 260—72.

Sekmakas, Kazys, and F. Ragas, to De Soto, Inc. Air drying ethers of monohydric polyallylethers and copolymer containing alkoxyalkylated aminotriazine transesters. 3,396,209, 8–6–68, Cl. 260—856.

Sekmakas, Kazys, and R. F. Stancl, to De Soto Chemical Coatings, Inc. Solvent-soluble, heat-hardening interpolymers consisting essentially of alkylolated acrylamides and polyethylenically unsaturated polyester resins. 3,399,153, 8–27–68, Cl. 260—21.

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Selby, Richard L., and R. D., 33⅓ to H. Selby. Spring action drawing device. 3,372,457, 3–12–68, Cl. 29—259.

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Sellers, Francis B., and C. A. Ziegler, to Parametrics, Inc. Alpha ray excited composition analysis. 3,408,496, 10–29–68, Cl. 250—83.3.

Sellers, Henry G., Jr., to Tenneco Chemicals, Inc. Dipentene polymer compositions. 3,401,136, 9–10–68, Cl. 260—29.8.

Sellers, Henry G., Jr., and H. E. McLaughlin, to Tenneco Chemicals, Inc. Production of terpene resins. 3,415,798, 12–10–68, Cl. 260—93.3.

Sellers, Henry G., Jr., and W. C. Doyle, Jr., to Tenneco Chemicals, Inc. Production of synthetic pine oil. 3,415,893, 12–10–68, Cl. 260—631.5.

Sellers, John C., to General Binding Corp. Steam sterilizable package and method of making the same. 3,410,395, 11–12–68, Cl. 206—63.2.

Sellers, John C., to General Binding Corp. Packaging material. 3,414,120, 12–3–68, Cl. 206—46.

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Sellers, Ralph F., S. G. Smith, Jr., and A. S. Burhans, to Union Carbide Corp. Glycidyl ethers and curable compositions containing same. 3,365,423, 1–23–68, Cl. 260—47.

Sellers, Ralph F., S. G. Smith, Jr., and A. S. Burhans, to Union Carbide Corp. Substituted phenoxy compounds and cured polyepoxides obtained therefrom. 3,375,226, 3–26–68 Cl. 260—47.

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Seufert, Helmut, and D. L. Colbenson. Remote controlled vehicle carburetor choke. 3,401,919, 9–17–68, Cl. 261—64.
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Severson, George E., to Anaconda Wire and Cable Co. Rod mill repeating apparatus. 3,363,443, 1–16–68, Cl. 72—230.
Severson, Marshall L., to Kelsey-Hayes Co. Brake disk. 3,391,-763, 7–9–68, Cl. 188—218.
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Shackelford, John C. Air handling and cleaning apparatus for machines. 3,391,528, 7-9-68, Cl. 57—56.

Shackleford, William E., and W. J. Fullen, to General Mills, Inc. Hardenable epoxy resin compositions. 3,397,178, 8-13-68, Cl. 260—47.

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Shaffer, George A., Jr., L. R. Campbell, and H. L. Blust, to Radio Corp. of America. Method of making reed switches. 3,369,291, 2-20-68, Cl. 29—622.

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Shaffer, Howard R., to I-T-E Circuit Breaker Co. Trip-free circuit breaker device. 3,419,838, 12-31-68, Cl. 337—44.

Shaffer, Howard R., and C. E. Gryctko, to I-T-E Circuit Breaker Co. Simplified circuit breaker device with manual on-off control and manual reset. 3,379,843, 4-23-68, Cl. 200—138.

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Shaffery, Raymond J., J. Strumpf, and B. P. Leber, to FMC Corp. Process for the production of sodium trimetaphosphate. 3,382,037, 5-7-68, Cl. 23—106.

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Shapiro, Sydney H., to Armour and Co. Preparation of primary and secondary amines from alkyl sulfates. 3,379,763, 4–23–68, Cl. 260—583.

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Shore, Daniel B., to International Harvester Co. Poppet valve having oppositely directed spherical seating surfaces. 3,412,756, 11–26–68, Cl. 137—540.
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Short, Oliver A., to E. I. du Pont de Nemours and Co. Compositions. 3,413,240, 11–26–68, Cl. 252—514.
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Sienkiewicz, Leon J., and H. T. Goldstein, to Westinghouse Electric Corp. Ultrasonic transmitter. 3,372,669, 3–12–68, Cl. 116—137.

Siepmann, Walter, to Stahl-Armaturen Persta G.m.b.H. KG. Wedge means for gate valves. 3,387,818, 6–11–68, Cl. 251—327.

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Sierpin, Stanis A. Aerosol type dispenser for fluids. 3,367,330, 2–6–68, Cl. 128—173.

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Kellerhals, Erwin. 3,404,486.

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Silberman, Samuel J. Apparatus for feeding particulate material and forming rod therefrom. 3,398,752, 8–27–68, Cl. 131—59.

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Sillars, Frederick S., to United Shoe Machinery Corp. Solder applicators. 3,371,838, 3–5–68, Cl. 228—43.

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Sillars, Frederick S., to United Shoe Machinery Corp. Solder applicators. 3,384,286, 5–21–68, Cl. 228—11.

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Silsby, Stanley D., to United States of America, Army. Semiautomatic grenade launcher. 3,404,478, 10–8–68, Cl. 42—1.

Silsby, Stanley D., to United States of America, Army. Semiautomatic grenade launcher. 3,404,479, 10–8–68, Cl. 42—1.

Silsby, Stanley D., to United States of America, Army. Ammunition launcher firing mechanism with breech closure means. 3,408,761, 11–5–68, Cl. 42—1.

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Silverman, Daniel, to Pan American Petroleum Corp. Submerged combustion in wells. 3,371,713, 3–5–68, Cl. 166—38.

Silverman, Daniel, to Pan American Petroleum Corp. Rapid loading magnetic tape recording system. 3,387,294, 6–4–68, Cl. 340—174.1.

Silverman, Daniel. Digital information recording system with simultaneous traverse of recording means and recording medium. 3,395,401, 7–30–68, Cl. 340—173.

Silverman, Daniel, to Pan American Petroleum Corp. Computing device including an electrical delay line with a plurality of taps each connected to a potentiometric network which is controlled by a strip element. 3,399,300, 8–27–68, Cl. 235—193.

Silverman, Daniel, to Pan American Petroleum Corp. Wavelet reconstruction process for sonic, seismic and radar exploration. 3,400,363, 9–3–68, Cl. 340—3.

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Simjian, Luther G. Check controlled lock. 3,407,914, 10–29–68, Cl. 194—4.
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Niederprum, Hans, and Simmler. 3,391,177.
Von der Emden, Wolfgang, Wagner, Niederprum, and Simmler. 3,369,039.
Simmon, Alfred, to Simmon Brothers Inc. Illuminating apparatus for photographic enlargers provided with interchangeable integrating bodies. 3,371,575, 3–5–68, Cl. 88—24.
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Simmon, Alfred. 3,371,575.
Weisglass, Louis L. 3,374,706.
Simmon, Edwin D., F. F. Sako, D. F. Seidel, and T. H. Forrest, to FMC Corp. Method of treating sewage and apparatus therefor. 3,371,033, 2–27–68, Cl. 210—3.
Simmonds, Ernest S., to Telephone Mfg. Co. Ltd. Electronic telegraph relay including silicon controlled rectifiers responsive to binary input signals. 3,404,292, 10–1–68, Cl. 307—252.
Simmonds, Harold F., Jr., to Westinghouse Electric Corp. Method of making refrigeration apparatus. 3,373,478, 3–19–68, Cl. 29—407.
Simmonds Precision Products, Inc.: *See*—
Cohn, Irving H. 3,419,801.
Kraushaar, Robert J. 3,413,847.
Sargent, Raymond W. 3,373,395.
Schwartz, Joseph. 3,411,351.
Thaler, Sherwood, and Gronner. 3,377,861.
Simmonds, Robert C., Jr.: *See*—
Radcliffe, Milton R., Simmonds, and Gilbride. 3,409,174.
Simmons, Arthur L., and J. J. Buckley, to United States of America, Air Force. Circumferential flexure vibrating gyroscope. 3,408,872, 11–5–68, Cl. 73—505.
Simmons, Arthur W., J. Washbourn, and D. J. Wickham, to Westinghouse Brake and Signal Co., Ltd. Distributors for braking apparatus. 3,361,486, 1–2–68, Cl. 303—36.
Simmons, Billy H.: *See*—
Sisco, Willie J., and Simmons. 3,413,220.
Simmons, Bjorn H. O., to Aktiebolaget Bofors. Wire mounting for an electric fuze of a shaped-charge projectile. 3,373,687, 3–19–68, Cl. 102—56.
Simmons, Carl C.: *See*—
Berger Thomas W., Simmons, and Smith. 3,401,052.
Simmons, Cecil E., to Jeffrey Galion Mfg. Co. Method of mulling. 3,408,052, 10–29–68, Cl. 259—147.
Simmons Co.: *See*—
Hansen, Francis W., and Nulf. 3,377,115.
Hansen, Francis W., and Nulf. 3,399,941.
Williams, Earl L. 3,393,004.
Simmons, Frank A., to Burgess Vibrocrafters, Inc. Insect fogger with fire prevention safety means. 3,392,479, 7–16–68, Cl. 43—129.
Simmons, George A., Jr.: *See*—
Gould, Ralph E., and Simmons. 3,419,373.
Simmons, George S., Jr., to Crompton & Knowles Corp. Pneumatic threaded remover for looms. 3,392,758, 7–16–68, Cl. 139—256.
Simmons, Harold C., to Parker-Hannifin Corp. Fuel injection nozzle. 3,406,910, 10–22–68, Cl. 239—464.
Simmons, Howard E., Jr., to E. I. du Pont de Nemours and Co. Preparation of tetracyano-1,4-dithiin. 3,400,134, 9–3–68, Cl. 260—327.
Simmons, John C., to Alamance Industries, Inc. Man's support sock and method of forming same. 3,386,270, 6–4–68, Cl. 66—178.
Simmons, John G.: *See*—
Cola, Rudolph A., Verderber, Simmons, and Tracy. 3,363,240.
Simmons, John G. B., and R. R. Verderber, to International Standard Electric Corp. Display element comprising phosphor and metal-insulator-metal bistable device. 3,390,295, 6–25–68, Cl. 313—108.
Simmons, Raymond O., E. J. Reid, A. E. Blankenship, and P. W. Morgan, Jr., to Hunt Foods and Industries, Inc. Production of liquid shortening. 3,394,014, 7–23–68, Cl. 99—118.
Simmons, Thomas R., ½ to W. H. Simmons. Sight level gauge clearing apparatus. 3,393,564, 7–23–68, Cl. 73—324.
Simmons, Todd S.: *See*—
Lachowicz, Donald R., Simmons, and Krenz. 3,415,856.
Simmons, William H.: *See*—
Simmons, Thomas R. 3,393,564.
Simms, Glen E.: *See*—
Metzger, Leopold H., Hatcher, and Simms. 3,376,673.
Simms, Glen E., and D. E. Cook, to Concut, Inc. Pavement cutting machine with telescoping frame. 3,387,891, 6–11–68, Cl. 299—39.
Simms, Glen E., and D. E. Cook, to Concut, Inc. Pavement leveling and/or grooving machine. 3,407,005, 10–22–68, Cl. 299—39.
Simms, James B. Detachable combination bottle handle and pouring spout. 3,384,275, 5–21–68, Cl. 222—474.
Simms, T. S., & Co., Ltd.: *See*—
Wood, Frank R. 3,401,073.
Simnad, Massoud T.: *See*—
Trickett, Kenneth A., Simnad, and Malek. 3,366,549.

Simon, Arter, Maschinenbaugesellschaft mit beschrankter Haftung: *See*—
Liesenhoff, Paul, 3,379,422.
Simon, Arthur, F. E. Shirk, and J. C. Biagioli, to United States of America, Navy. Trace identifier. 3,388,379, 6–11–68, Cl. 340—147.
Simon-Carves Ltd.: *See*—
Abson, James W., and Clark. 3,412,017.
Abson, James W., Landau, Langton, and Molyneux. 3,414,524.
Simon, Dionizy: *See*—
Kuska, Reinhold, Simon, and Makowski. 3,374,534.
Simon, Donald R.: *See*—
Rogers, Kenneth C., and Simon. 3,370,198.
Simon, Hans. Device for fastening bodies in the shape of square prisms and provided at opposite side faces respectively with grooves and ridges on a plate or the like. 3,402,-954. 9–24–68. Cl. 287—189.36.
Simon, Harold C., and B. V. Gerber, to Westinghouse Electric Corp. Compact high voltage supply. 3,418,526, 12–24–68, Cl. 315—205.
Simon, Henry, Ltd.: *See*—
Bingham, John D., and Higgs. 3,412,860.
Simon, Horst: *See*—
Steisslinger, Kurt, and Simon. 3,391,622.
Simon, Jean-Claude, and G. J. Broussand, to C & F Compagnie Generale de Telegraphie Sans Fil. System for localizing trains along a track. 3,408,646, 10–29–68, Cl. 343—6.5.
Simon, John. Device for making a winding staff. 3,377,889, 4–16–68, Cl. 77—62.
Simon, John G., to Minnesota Mining and Mfg. Co. Sponge mop head and attaching clips. 3,412,416, 11–26–68, Cl. 15—118.
Simon, Joseph: *See*—
Reimann, William G., and Simon. 3,391,454.
Simon, Julius L., to Motorola, Inc. Automatic degaussing circuit. 3,387,172, 6–4–68, Cl. 315—8.
Simon, Marietta. Strapless brassiere. 3,394,706, 7–30–68, Cl. 128—463.
Simon, Myron S., to Polaroid Corp. Diacyloxy-nitrostilbenes. 3,406,194, 10–15–68, Cl. 260—479.
Simon, Ralph: *See*—
McAuliffe, Clayton D., Simon, and Johnson. 3,380,531.
Simon, Sander: *See*—
Priest, William F., and Simon. 3,404,719.
Simon, Selwyn, and F. W. Tauber, to Union Carbide Corp. Process of treating synthetic sausage casing so that red color will develop on the surface of a meat emulsion stuffed therein. 3,361,577, 1–2–68, Cl. 99—176.
Simon, Stanley. Cutting instrument for use in skin grafting. 3,412,732, 11–26–68, Cl. 128—305.
Simon, Warner H. Method and apparatus for welding. 3,375,-573, 4–2–68, Cl. 29—583.
Simon, Warner H. Welding rod dispenser. 3,410,454, 11–12–68, Cl. 221—204.
Simonacco Ltd.: *See*—
Tarjan, Gusztav, 3,400,818.
Wallace, Walter M. 3,374,889.
Simonds Abrasive Co.: *See*—
Thomas, James A. 3,383,191.
Simonds, Clarence S., to The Reliance Electric and Engineering Co. Manual range changer for weighing scales. 3,415,-333, 12–10–68, Cl. 177—210.
Simonds, George D., Jr., to Badger Meter Mfg. Co. Compound meter and valve. 3,395,578, 8–6–68, Cl. 73—197.
Simonds, Omar H.: *See*—
Williams, Virgil C., and Simonds. 3,400,547.
Simonds Saw and Steel Co.: *See*—
Evancic, Ernest A., and Campbell. 3,388,618.
Nehrenberg, Alvin E., and Rundell. 3,366,473.
Simone, Raymond A., and L. W. Fancher, to Stauffer Chemical Co. Process for preparing N(beta-dialkyldithiaphosphorylethyl) aryl or alkyl sulfonamides. 3,392,215, 7–9–68, Cl. 260—978.
Simone, Raymond A., and R. C. Tulee, to Stauffer Chemical Co. Process of preparing N-(β-dialkyldithiophosphoryl) aryl or alkyl sulfonamides. 3,415,909, 12–10–68, Cl. 260—979.
Simoneau, Robert G.: *See*—
Brink, Norman, Holland, Simoneau, Stevens, and Yurenka. 3,381,420.
Simonetti, Sergio G., to Sonic Engineering Corp. Tunable acoustic fluid mixer having easy access to internal working parts. 3,410,529. 11–12–68, Cl. 259—4.
Simonian, Atkin Y.: *See*—
Danemark, Marius, Cathrein, and Simonian. 3,380,898.
Simonich, Mario. Article gripping device for drawing containers separately. 3,368,716, 2–13–68, Cl. 221—210.
Simonich, Mario. Operating device for a closing member of an ice-cream dispensing nozzle in an ice-cream continuously producing apparatus. 3,399,809, 9–3–68, Cl. 222—70.
Simonides, Jan, V. Nadvornik, and J. Pliml, to Ceskoslovenska Akademie ved. Separation plate for thin-layer chromatography. 3,409,136, 11–5–68, Cl. 210—198.
Simonini, William J., Jr., ½ to H. D. Drain. Toy parachute device. 3,370,378, 2–27–68, Cl. 46—228.
Simons, Charles C.: *See*—
Carlson, Ronald J., and Simons. 3,404,202.
Carlson, Ronald J., Simons, and Bradford. 3,402,870.
Simons, Charles C., and R. L. Bradford, to United States of America, Atomic Energy Commission. Explosion welding of incompatible metals. 3,377,694, 4–16–68, Cl. 29—470.1.
Simons, Charles C., and R. J. Carlson, to Westinghouse Electric Corp. Method of explosively welding tubes to tube plates. 3,409,969, 11–12–68, Cl. 29—157.3.
Simons, Charles W., to W. R. Grace & Co. Closure elements. 3,363,793, 1–16–68, Cl. 215—40.
Simons, Charles W., to W. R. Grace & Co. Controlled torque gasket compositions for container closure elements containing a mixture of mineral oil and fatty acid amides. 3,390,-800, 7–2–68, Cl. 215—40.
Simons, Charles W., J. A. Gribens, and I. J. Arons, to W. R. Grace & Co. Solvent-based gasketing compositions. 3,389,-113, 6–18–68, Cl. 260—31.8.
Simons, Charles W., and J. A. Gribens, to W. R. Grace and Co. Method of making gasketed closures. 3,417,177, 12–17–68, Cl. 264—230.
Simons, Edward W., to Dualjet Corp. Air curtain using ionized air. 3,397,631, 8–20–68, Cl. 98—36.
Simons, Harold L., to The Kendall Co. Patterned non-woven fabrics comprising electrically-spun polymeric filaments. 3,413,182, 11–26–68, Cl. 161—112.
Simons, John C., Jr. Vacuum calibration apparatus. 3,373,-597, 3–19–68, Cl. 73—4.
Simons, Lawrence. Safety container construction. 3,410,434, 11–12–68, Cl. 215—9.
Simons, Richard C.: *See*—
Bletzinger, John C., Condon, and Simons. 3,375,827.
Simons, Samuel B. Protector switch. 3,406,360, 10–15–68, Cl. 335—20.
Simons, Sylvan. Dual band dipole antenna with collinear director. 3,371,348, 2–27–68, Cl. 343—807.
Simonsen, Carl G. Brassiere. 3,402,719, 9–24–68, Cl. 128—484.
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Simonsen, Richard C., N. S. Blessum, and J. A. Hibner, to Burroughs Corp. Multiple freuqency data handling system. 3,417,378, 12–17–68, Cl. 340—172.5.
Simonsson, Sven-Inge: *See*—
Hertz, Carl H., and Simonsson. 3,416,153.
Simonton, Theodore E. Method of analyzing complex waves representable by a continuous plane curve. 3,414,815, 12–3–68, Cl. 324—77.
Simpkins, Alan B., and C. R. Stewart, to Hewlett-Packard Co. Probe for testing cables for leaks. 3,363,450, 1–16–68, Cl. 73—40.5.
Simpkins, Thomas W.: *See*—
Simpkins, Thomas W., and Crawford. 3,374,587.
Simpkins, Thomas W., and H. H. Crawford; said Crawford assor. to said Simpkins. Drill grinding attachment. 3,374,-587. 3–26–68, Cl. 51—219.
Simplex Corp.: *See*—
Manetta, Peter J., Tabor, and Greenwood. 3,406,836.
Simplex Mfg. Co.: *See*—
Colvin, Donald, and Schultz. 3,378,479.
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Crowdes, George J. 3,372,467.
Crowdes, George J. 3,372,564.
Felck, George, III, and Doherty. 3,370,344.
Harris, Cecil, and Johnston. 3,369,072.
Stoddard, Henry R. 3,399,270.
Tabor, Ralph L., Greenwood, and Manetta. 3,367,197.
Wakefield, Frederick I. 3,368,379.
Sim-pli-ci-ty Products Corp.: *See*—
Pope, Courtney C. 3,398,409.
Pope, Courtney C. 3,398,979.
Simplimatic Engineering Co.: *See*—
Englander, Robert A. 3,417,973.
Simpson, Anthony W.: *See*—
Richards, Howard D., and Simpson. 3,403,298.
Simpson, Billy D.: *See*—
Turk, Stanley D., Schnitzer, and Simpson. 3,389,090.
Simpson, Billy D., to Phillips Petroleum Co. Curing of liquid polysulfide polymers. 3,389,106, 6–18–68, Cl. 260—24.
Simpson, Billy D., and A. M. Schnitzer, to Phillips Petroleum Co. Process of separating amines. 3,410,906. 11–12–68, Cl. 260—585.
Simpson, Edward S. G.: *See*—
Cousens, Richard H., Osmond, Simpson, and Skinner. 3,399,163.
Simpson, Eric, Jr., to Reynolds Metals Co. Composite truss structure. 3,397,502, 8–20–68, Cl. 52—693.
Simpson, Eric, Jr., to Reynolds Metals Co. Combined flashing and fascia system and method of making same. 3,404,-495, 10–8–68, Cl. 52—58.
Simpson, Forrest L., and G. L. Robertson, to International Harvester Co. Cotton harvester. 3,416,297, 12–17–68, Cl. 56—33.
Simpson, Francis: *See*—
Woodcock, George S. and H. E., Simpson, and Clayton. 3,375,680.
Woodcock, George S. and H. E., Simpson, and Clayton. 3,399,550.
Simpson, Frank M.: *See*—
Peterson, John D., and Simpson. 3,403,204.
Simpson, George R.: *See*—
Dixon, Edgar O., and Simpson. 3,383,622.
Simpson, George R., to American Optical Co. Q-switched laser system. 3,416,097. 12–10–68, Cl. 331—94.5.

Simpson, Harry E.: *See*—
Crow, Morgan L., Kilgore, and Simpson. 3,381,969.

Simpson, Heyward V., and L. Bogan, to Reeves Brothers, Inc. Production of lightfast jute. 3,384,444, 5–21–68, Cl. 8—111.

Simpson, Jack N., and W. R. Bohner, to ESB, Inc. Safety cap suspension. 3,387,304, 6–11–68, Cl. 2—3.

Simpson, Jack N., and W. R. Bohner, to ESB Inc. Suspension for safety headgear. 3,388,405, 6–18–68, Cl. 2—3.

Simpson, Jack N., W. R. Bohner, and P. E. Brace, to ESB, Inc. Attachment for mounting a face protective shield on a safety hat. 3,409,908, 11–12–68, Cl. 2—3.

Simpson, Jack W., Sr., to International Business Machines Corp. Computation with variable fractional point readout. 3,391,391, 7–2–68, Cl. 340—172.5.

Simpson, James W., and R. H. Brennan, to General Electric Co. Voltage regulators having vernier voltage control. 3,365,655, 1–23–68, Cl. 323—43.5.

Simpson, John M., Jr.: *See*—
Carpenter, Vance J., Simpson, and Ziegler. 3,410,629.

Simpson, Justin, and B. J. Iverson, to Continental Can Co., Inc. Packaging apparatus and method of utilizing the same. 3,376,689, 4–9–68, Cl. 53—38.

Simpson, Justin, to Continental Can Co., Inc. Sheet feeding apparatus. 3,380,732, 4–30–68, Cl. 271—44.

Simpson, Leander B.: *See*—
Butler, Roger M., Bumbulis, and Simpson. 3,370,432.
Butler, Roger M., and Simpson. 3,406,193.

Simpson, Lewis E., and W. E. Karow. Microfilm reader. 3,413,061, 11–26–68, Cl. 353—23.

Simpson, Malcolm P.: *See*—
Stevens, John R., and Simpson. 3,366,685.

Simpson, Orville, Co., The: *See*—
Crain, Allan M. 3,406,823.

Simpson, Ralph E.: *See*—
Nichols, William A., and Simpson. 3,372,885.

Simpson, Richard M., to Ferro Dynamics, Inc. Hydraulically regulated workpiece accelerating device. 3,373,642, 3–19–68, Cl. 83—76.

Simpson, Robert J.: *See*—
Hailey, Robert R., Laurer, and Simpson. 3,404,230.

Simpson Timber Co.: *See*—
Carlson, Harry W. 3,411,426.
Clausen, Victor H., and Zweig. 3,367,823.
Clausen, Victor H., and Zweig. 3,377,223.
Clausen, Victor H., and Zweig. 3,395,915.
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Olson, Melvin L. 3,385,020.

Simpson, Vernon P.: *See*—
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Simpson, Warren C.: *See*—
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Simpson, Warren O., and C. H. Bridges, to Kellogg Co. Easy opening reclosable carton. 3,366,310, 1–30–68, Cl. 229—51.

Simpson, Warren O., and C. H. Bridges, to Kellogg Co. Perforated top reclosable carton. 3,366,311, 1–30–68, Cl. 229—51.

Simpson, William G. Tables. 3,380,402, 4–30–68, Cl. 108—50.

Simpson, William I.: *See*—
Manasevit, Harold M., and Simpson. 3,393,088.

Sims, Chester T.: *See*—
Girard, Roland T., Sims, Wisely. 3,397,080.

Sims, Chester T., and A. D. Foster, to General Electric Co. Cobalt base alloys. 3,383,205, 5–14–68, Cl. 75—171.

Sims, Claude C., to United States of America, Navy. Radially driven flexure plate transducer. 3,363,118, 1–9–68, Cl. 310—8.7.

Sims, Claude C., to United States of America, Navy. Pressure-gradient hydrophone. 3,380,019, 4–23–68, Cl. 340—10.

Sims, Darrell L.: *See*—
Biron, Jules N., Jones, and Sims. 3,373,827.

Sims, Darrell L., to United States of America, National Science Foundation. Bumper sub position indicator. 3,367,422, 2–6–68, Cl. 166—187.

Sims, George E. Aircraft turn entry. 3,373,958, 3–19–68, Cl. 244—77.

Sims, Homer J., R. L. Skiles, and H. P. Frohlich, to Rohm & Haas Co. Aminoamides. 3,409,646, 11–5–68, Cl. 260—404.5.

Sims, James G.: *See*—
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Sims, James G., to Monsanto Co. Method for producing iridescent filament. 3,388,198, 6–11–68, Cl. 264—177.

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Bell, Richard J., Campbell, Gibson, and Sims. 3,396,037.

Sims, John C., Jr.: *See*—
Bennett, Lewis W., and Sims. 3,392,893.
Eckert, John F., and Sims. 3,415,507.
Handley, John, and Sims. 3,412,386.

Sims, John C., Jr., to Mohawk Data Science Corp. Variable density magnetic bearing recording and reproducing system. 3,377,583, 4–9–68, Cl. 340—174.1.

Sims, John C., Jr., to Mohawk Data Science Corp. Variable word length internally programmed information processing system. 3,377,620, 4–9–68, Cl. 340—172.5.

Sims, John C., Jr., to Sperry Rand Corp. Magnetic character printing head. 3,386,101. 5–28–68, Cl. 346—74.

Sims, John C., Jr., to Mohawk Data Sciences Corp. Type arrangement in endless band line printers. 3,399,619, 9–3–68, Cl. 101—93.

Sims, John C., Jr., to Mohawk Data Sciences Corp. Air bearing magnetic head mounting apparatus. 3,412,383. 11–19–68, Cl. 340—174.1.

Sims, John R. Tow rope retrieving device for water skiers. 3,389,676, 6–25–68, Cl. 115—6.1.

Sims, Lenus L., to The Mead Corp. Article carrier. 3,365,098, 1–23–68, Cl. 220—113.

Sims, Leslie L.: *See*—
Conley, Leonard N., Jr., Sims, and Yancey. 3,394,195.

Sims, Marion W., to General Electric Co. Arrangements for altering the overall configuration of electrical coils wound from a number of conductor turns. 3,412,452, 11–26–68, Cl. 29—205.

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Vitcha, James F., and Sims. 3,365,504.

Simshauser, Elvin D., to Radio Corp. of America. Display module having electromagnetic coil sensing of armature position. 3,381,291, 4–30–68, Cl. 340—373.

Simson, Anton K., to John P. Glass, t/a Cava Industries. Display device. 3,405,464, 10–15–68, Cl. 40—28.

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Kuska, Reinhold P., Simson, and Makowski. 3,374,534.

Simson, Walter A., and S. Hurwitz, to Rolls Offset Printing Co., Inc. Method and apparatus for embossing and printing during a single pass thru a planographic offset press. 3,403,621, 10–1–68, Cl. 101—23.

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Sincat Societa Industrielle Catanese S.p.A.: *See*—
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Sincerbox, Glenn T.: *See*—
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Sincerbox, Glenn T., to International Business Machines Corp. Optical memory in which a digital light deflector is used in a bi-directional manner. 3,391,970, 7–9–68, Cl. 350—150.

Sincerbox, Glenn T., to International Business Machines Corp. Apparatus for writing information in memory by light. 3,417,381, 12–17–68, Cl. 340—173.

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Sinclair, Kenneth, and C. D. Watson, to The Secretary of State for Defense in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Hypodermic injection apparatus with a secondary capsule-collapsing means. 3,403,679, 10–1–68, Cl. 128—218.

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Sinclair-Koppers Co.: *See*—
Andrews, James M., Patton, and Martens. 3,412,888.
Drenning, John W. 3,374,500.
Slapnik, Joseph. 3,412,893.
Williams, Olin E. 3,397,258.

Sinclair, Louise S. Flexible fastener for garments. 3,394,437. 7–30–68, Cl. 24—73.

Sinclair, Neil A. ,to General Dynamics Corp. Apparatus for ultrasonic detection and display material defects of location of. 3,395,572, 8–6–68, Cl. 73—67.8.

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Gring, John L., and Mool. 3,376,106.

Sinclair Research, Inc.: *See*—
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Bemrose, John. 3,393,402.
Bemrose, John. 3,406,777.
Bemrose, John, and Kilmer. 3,409,905.
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Burk, Emmett H., Jr., and Horvath. 3,365,506.
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Davis, Glen R. 3,380,068.
Disegna, Wayne L., and Erickson. 3,364,151.
Du Bois, Jule J., Glover, and Buehler. 3,399,116.
Fauber, Eugene M., and Moyer. 3,382,098.
Gehrman, Gary L., and Turnquest. 3,415,897.
Gower, Howard D. 3,377,281.
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Hearn, Daniel P. 3,396,334.
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Slater, Jack D., to Kaiser Aluminum & Chemical Corp. Process for production of phosphoric acid. 3,382,035, 5–7–68, Cl. 23—66.
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Slater, William W., and L. E. Thow, to Celanese Coatings Co. Aqueous solutions of salts of 1,4-bis(2-hydroxypropyl)-2-methyl piperazine and epoxy ester-maleic anhydride adducts. 3,397,159, 8–13–68, Cl. 260—18.

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Sliepcevich, Cedomir M., and H. T. Hashemi, 37½% to University Engineers, Inc., and 62½% to E-C Corp. Method for separating relatively pure water from aqueous solutions. 3,399,538, 9–3–68, Cl. 62—58.
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Slone, Thomas J., and L. J. Orbeck, to American Instrument Co., Inc. Electrical porosimeter. 3,371,520, 3–5–68, Cl. 73—38.

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Sloughter, William J., to Schlumberger Technology Corp. Magnetic tape recording methods and apparatus for well logging. 3,388,375, 6–11–68, Cl. 340—18.

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Slover, James W., to Phillips Petroleum Co. Leak preventing control for heat exchangers. 3,400,753, 9–10–68, Cl. 165—1.

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Simagula, Emil R. Automatic shoe-polishing and buffing apparatus and means. 3,365,741, 1–30–68, Cl. 15—31.

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Small, Fred, and R. Ward, to Gullick Ltd. Longwall mining machine having automatic means to maintain angular setting. 3,397,915, 8–20–68, Cl. 299—1.

Small, Guy W. Strip gang saw. 3,386,481, 6–4–68, Cl. 143—33.

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Small, Irwin A. Drill guide for mandibular staples and staple construction. 3,414,975, 12–10–68, Cl. 32—2.

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Smarker, Albert L. Rain canopy for automobile windshields. 3,400,750, 9–10–68, Cl. 160—368.

Smarook, Walter H., to Union Carbide Corp. Method of making fluorinated polyolefin laminates. 3,410,740, 11–12–68, Cl. 156—151.

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Smirl, Richard L., to Borg-Warner Corp. Method of making a slip joint. 3,383,756, 5–21–68, Cl. 29—436.

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Smirl, Richard L., to Borg-Warner Corp. Clutch device. 3,385,409, 5–28–68, Cl. 192—70.11.

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Smith, Raymond P., to Ford Motor Co. Vehicle control assembly. 3,400,607, 9–10–68, Cl. 74—560.
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Smith, Richard D., to Reynolds Research & Mfg. Corp. Mounting bracket for automobile baby seat. 3,404,917, 10–8–68, Cl. 297—250.
Smith, Richard D., and J. F. Callahan, to Radio Corp. of America. Electronic computer with program debugging facility. 3,415,981, 12–10–68, Cl. 235—153.
Smith, Richard E., to GAF Corp. Thermal developing apparatus. 3,395,631, 8–6–68, Cl. 95—77.5.
Smith, Richard E., and C. C. Blair, Jr., to Sylvania Electric Products, Inc. Projection lamp with glass reflector spring clip support. 3,382,395, 5–7–68, Cl. 313—113.
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Weisang, Edouard, Weill, and Engelhard. 3,404,101.
Societe Anonyme D.B.A.: *See*—
Chevreux, Gerard. 3,383,139.
Laverdant, Bernard E. G. 3,368,647.
Thirion, Rene. 3,363,727.
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Societe Anonyme de Machines Electrostatiques: *See*—
Morel, Roger C. M., and Tauveron. 3,402,814.
Morel, Roger C. M., and Tauveron. 3,407,930.
Point, Morcel A. R. 3,374,050.
Societe Anonyme de Publications Periodiques Imprimerie E. Desfosses-Neogravure: *See*—
Koszul, Jacques. 3,390,631.
Societe Anonyme de Vehicules Industriels et d'Equipements Mecaniques Saviem: *See*—
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Societe Anonyme des Cableries et Trefileries de Cossonay: *See*—
Werdenberg, Wilhelm. 3,413,792.
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Fenet, Gilbert. 3,384,038.
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Societe Anonyme des Laboratoires Robert & Carriere: *See*—
Sabathie, Michel, and Foures. 3,385,294.
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Plegat, Alain E. 3,386,152.
Societe Anonyme dite: Ateliers de Construction de Compiegne: *See*—
Dubesset, Michel. 3,367,247.
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Societe Anonyme dite Compagnie des Freins et Signaux Westinghouse: *See*—
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Martin, Gerard. 3,408,507.
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Lallemand, Marcel. 3,371,178.
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Ciboit, Jacques J. 3,410,701.
Societe Anonyme dite: Groupement Atomique Alsacienne Atlantique: *See*—
Chameroy, Jean. 3,414,726.
Societe Anonyme dite Laboratoire d'Analyses et de Recherches Biologiques Mauvernay-Centre Europeen de Recherches Mauvernay-(C.E.R.M.): *See*—
Xuong, Nguyen D., and Mauvernay. 3,369,967.
Societe Anonyme dite: Laboratoire Roger Bellon: *See*—
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Hoffman, Charles, and Faure. 3,415,834.
Societe Anonyme dite Les Oxydes Francais: *See*—
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Riboud, Pierre-Jean. 3,417,418.
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Chilardi, Giuliana, and Lemonnier. 3,413,072.
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Benezoch, Jacques. 3,377,486.
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Societe Anonyme dite Seailles & Tison: *See*—
Tison, Eric, and Blanchin. 3,411,684.
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Bernaux, Henri G. 3,388,751.
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Della Vite, Romuald R. 3,382,130.
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Societe Anonyme dite: Societe Generale de Traction et d'Exploitations: *See*—
Aubert, Jean. 3,396,540.
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Viellet, Guy J. 3,393,435.
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Boissier, Jacques R., and Ratouis. 3,371,091.
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Boris, Michel. 3,369,757.
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Malfroy, Rémy. 3,409,133.
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Gillet, Charles E. 3,383,906.
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Societe Anonyme Francaise du Ferodo: *See*—
Lepelletier, Pierre A. G. 3,367,457.
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Orain, Michel. 3,362,192.
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Albert, Philippe, Renucci, Lehr, and Gosse. 3,406,056.
Bot-Langlet, Yves. 3,404,541.
Guingand, Jean R. 3,408,863.
Societe Anonyme Manufacture Belge de Lampes et de Materiel Electronique: *See*—
Schayes, Raymond, and Kozlowitz. 3,399,301.
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Guinot, Gabriel L. 3,369,457.
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Societe Anonyme Pour l'Equipement Electrique des Vehicules S.E.V. Marchal: *See*—
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Jaeger, Roland C. 8,390,147.
Societe Anonyme: Simca Automobiles: *See*—
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Piret, Jean. 3,395,931.
Societe Anonyme: Societe Alsacienne de Constructions Atomiques de Telecommunications et d'Electronique "Alcatel": *See*—
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Mongodin, Guy E. V. 3,392,538.
Societe Anonyme Societe des Automobiles Simca: *See*—
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Societe Anonyme Source Perrier: *See*—
Granier, Hector. 3,385,327.
Societe Anonyme Vautier Freres & Cie: *See*—
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Societe a Responsabilite Limitee dite: Botalam: *See*—
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Gilles, Auguste. 3,399,800.
Societe a Responsabilite Limitee Grosfillex Freres: *See*—
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Societe a Responsabilite Limitee: Societe Lamy d'Etudes et de Recherches "Soler": *See*—
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Drivet, Jean A. P. 3,415,317.
Societe Baele-Gangloff : *See—*
Pagay, Roger. 3,379,601.
Societe Bertin & Cie : *See—*
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Bertin, Jean H. 3,371,738.
Guienne, Paul F. 3,385,390.
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Societe Civile de Recherches et d'Etudes Industrielles : *See—*
Vincens, Rene. 3,371,973.
Vincens, Rene. 3,398,981.
Vincens, Rene. 3,408,127.
Societe Civile d'Etudes, Recherches et Participations E.R.P. : *See—*
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Societe Civile dite: Societe Civile d'Etudes de Centrifugation : *See—*
Babel, Louis, and Peytavin. 3,416,591.
Societe d'Applications Generales d'Electricite et de Mecanique : *See—*
Sourgens, Roger P. 3,392,371.
Societe d'Applications Techniques et Industrielles S.A.T.I. : *See—*
Fiquet, Claude J. J., and Leplat. 3,406,872.
Societe de Construction et d'Exploitation de Materiels et Moteurs (S.C.E.M.M.) : *See—*
Soubis, Jean-Pierre. 3,370,575.
Societe de Constructions Electriques Jupiter : *See—*
Bernier, Raymond. 3,403,930.
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Societe de Constructions Mecaniques de Creil : *See—*
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Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine : *See—*
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Dreyfus, Bertrand A., and Tavernier. 3,416,044.
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Masson, Claude M. E. 3,408,640.
Peltier, Max B. 3,416,006.
Taraud, Bernard M. 3,397,452.
Societe de Prospection Electrique Schlumberger S.A. : *See—*
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Thominet, Michel L. 3,415,934.
Societe DEREFA, Etablissement pour le Developpment, Recherches et Fabrications Industrielles : *See—*
Deflandre, Rene. 3,373,420.
Deflandre, Rene. 3,386,146.
Societe des Accumulateurs Fixes et de Traction (Societe Anonyme) : *See—*
Deschamps, Robert M. 3,364,069.
Harivel, Jean-Pierre L. R. 3,410,725.
Harivel, Jean-Pierre L. R. 3,410,726.
Jammet, Jean F. 3,366,512.
Pellerin, Jean. 3,394,858.
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Szereszewski, Pinchas P. 3,410,307.
Societe des Explozifs Titanite : *See—*
Stouls, Leon L. C. H. 3,385,427.
Societe des Forges et Ateliers du Creusot (S.F.A.C.) : *See—*
Lajarrige, André, and Léger. 3,398,027.
Nectoux, André. 3,361,228.
Savart, Bernard. 3,382,520.
Savary, Fernand J. E. 3,408,101.
Societe des Generateurs Jarret : *See—*
Huber, Robert. 3,370,576.
Societe des Mecaniques Verdol : *See—*
Fumat, Joseph. 3,407,848.
Servillat, Gabriel. 3,364,953.
Societe des Poudres Metalliques et des Alliages Speciaux Ugine-Carbone : *See—*
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Selfahrt, Horst. 3,372,057.
Societe d'Etude de la Propulsion Par Reaction (Societe Anonyme) : *See—*
Tubeuf, Jean. 3,388,826.
Vilet, Andre. 3,395,645.
Societe d'Etude de la Valorisation des Gaz Naturels Du Sahara S.E.G.A.N.S. : *See—*
Lamy, Jacques E. 3,395,505.
Societe d'Etude de Recherches et d'Applications : *See—*
Piret, Jean. 3,379,571.
Societe d'Etude et d'Application des Techniques Nouvelles : *See—*
Honore, Etienne A. H., and Torcheux. 3,392,389.
Societe d'Etude et de Construction d'Appareils de Levage et de Traction (SECALT S.A.) : *See—*
Tanson, Rodolphe. 3,410,525.
Societe d'Etudes Chimiques Pour l'Industrie et l'Agriculture : *See—*
Leroy, Alphonse, Gijsemans, Peerts, Hulot, Martin, and Andrieu. 3,414,375.
Martin, Jean, and Andrieu. 3,378,340.
Societe d'Etudes Contre la Corrosion (Secco) : *See—*
Heuze, Bernard M. L. 3,364,422.
Societe d'Etudes de Machines Thermiques : *See—*
Gallois, Jacques, and Kuhn. 3,382,858.
Kuhn, Karl. 3,371,655.
Societe d'Etudes, de Recherches et d'Applications pour l'Industrie S.E.R.A.I. : *See—*
Piret, Jean. 3,418,072.
Societe d'Etudes et d'Equipments d'Entreprises, Societe Anonyme : *See—*
Courbon, Jean. 3,385,464.
Societe d'Etudes et de Development des : *See—*
Laufer, Theodor H. 3,393,747.
Societe d'Etudes et de Recherches Magnetiques Sermag : *See—*
De Bennetot, Michel C. 3,383,141.
Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S.A. (S.E.P.) : *See—*
Szereszewski, Pinchas P. 3,363,411.
Vallin, Emile. 3,386,423.
Societe d'Etudes, Recherches et Construction Electroniques (SERCEL) Societe Anonyme : *See—*
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Thominet, Michel L. 3,415,934.
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Societe d'Exploitation des Brevets Industriels SEBI : *See—*
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Societe dite : Derefa, Etablissement pour le Developpement Recherches et Fabrications Industrielles : *See—*
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Societe dite : Societe Anonyme Financiere & Auxiliaire du Textile : *See—*
Grenot, Jack 3,383,837.
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Societe Francaise des Constructions Babcock & Wilcox : *See—*
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Hureau, Jacques. 3,381,337.
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Brette, Yves-Jean F., and Carbonel. 3,404,390.
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Chaptal de Chanteloup, Victor M. 3,366,939.
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Societe Industrielle et Commerciale des Automobiles Peugeot: *See*—
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Someda, Sadamichi, and G. Hamano, to Matsushita Electric Industrial Co., Ltd. Constant output voltage rectifying system. 3,405,345, 10–8–68, Cl. 321—18.

Someda, Sadamichi, to Matsushita Electric Industrial Co., Ltd. Constant output voltage rectifying systems. 3,417,312, 12–17–68, Cl. 321—18.

Somers, Edward V.: *See*—
Way, Stewart, and Somers. 3,403,277.

Somers, Lewis E., to General Electric Co. Thermal modulation thermoplastic recording. 3,406,405, 10–15–68, Cl. 346—1.

Somers, Perrie D., Jr., and R. E. Mauseth, to International Milling Co., Inc. Process for preparing a flowable flour and product formed by said process. 3,397,066, 8–13–68, Cl. 99—93.

Somers, William P.: *See*—
Clinton, William D., and Somers. 3,372,591.
Sandford, Phillip A., and Somers. 3,410,984.

Somerset, James P.: *See*—
Peterson, Thomas G., and Somerset. 3,408,558.

Somerville, Daniel W. B., and R. O. Tervo, to Norton Co. Process of forming silicon carbide diode by growing separate P and N layers together. 3,377,210, 4–9–68, Cl. 148—1.5.

Somerville, George R., to Southwest Research Institute. Method for mass producing small spherical particles. 3,389,194, 6–18–68, Cl. 264—4.

Somerville, Ian C.: *See*—
Desiderio, Fred A., and Somerville. 3,395,175.

Somerville Industries Ltd.: *See*—
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Somerville, Thomas H.: *See*—
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Somerville, William M., to Clarke, Chapman & Co. Ltd. Alternating current generators. 3,396,291, 8–6–68, Cl. 310—263.

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Nakamura, Harumitsu, Tejima, and Someya. 3,363,732.

Sommer, Alfred: *See*—
Leibowitz, Donald, and Sommer. 3,382,569.

Sommer, Donald J.: *See*—
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Sommer, Edmund T. Sailboat rigging. 3,396,689, 8–13–68, Cl. 114—98.

Sommer, Erwin, K. Gerlach, and K. Boehme, to Vereinigte Glanzstoff-Fabriken A.G. Process of forming water-laid felts containing hollow-viscose, textile, and synthetic fibers. 3,394,047, 7–23–68, Cl. 162—146.

Sommer, Hans, H. Bestian, and D. Bergmann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Recovery of fibrous material from waste waters of the paper, cardboard and cellulose industry by addition of condensation of urea and an alkylene. 3,399,110, 8–27–68, Cl. 162—190.

Sommer, Laszlo: *See*—
Galgoczi, Bela, Demeter, Zagyvai, Soltesz, Sommer, Hercsel, and Raab. 3,380,947.

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Sommer, Robert B. Nonskid tire. 3,384,143, 5–21–68, Cl. 152—209.

Sommer, Robert B. Tire grooving apparatus and method. 3,384,146, 5–21–68, Cl. 157—13.

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Unger, Richard, Sommer, Schorscher, and Müller-Calgan. 3,393,198.

Sommer, Warren T. Stirring mechanism. 3,410,536, 11–12–68, Cl. 259—111.

Sommerer, Raymond: *See*—
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Sommermeyer, Friedrich, to Rollei-Werke Franke & Heidecke. Film winding mechanism for photographic cameras. 3,380,363, 4–30–68, Cl. 95—31.

Sommers, Donald Z. Self-energizing disc brake. 3,392,807, 7–16–68, Cl. 188—73.

Sommers, Earl E., to E. I. du Pont de Nemours, and Co. Lubricanta containing chloroaniline-phosphate salts. 3,373,117, 3–12–68, Cl. 252—325.

Sommers, Edwin J., D. W. Gruye, N. E. Vogt, and D. J. McCroskey, to Monsanto Co. Instrument enclosure adaptable to various heights and including removable handles. 3,413,050, 11–26–68, Cl. 312—107.

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Sommers, Roy W., to E. I. du Pont de Nemours and Co. Process for making carboxymethylcellulose giving solutions having non-thixotropic characteristics. 3,361,740, 1–2–68, Cl. 260—231.

Sommers, Roy W., to E. I. du Pont de Nemours and Co. Novel preparation of carboxymethyl cellulose. 3,374,224, 3–19–68, Cl. 260—231.

Sommers, Roy W., to E. I. du Pont de Nemours and Co. Densification of carboxymethyl-cellulose. 3,394,127, 7–23–68, Cl. 260—232.

Sommerud, Rolf G., C. F. Holmboe, and J. F. De Lorme, to International Telephone and Telegraph Corp. Automatic frequency correction for phase locked oscillator systems. 3,411,102, 11–12–68, Cl. 331—14.

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Sonderegger, Hans C., to Messrs. Kistler Instrumente AG. Piezo-electric transducer. 3,364,368, 1–16–68, Cl. 310—8.7

Sonderegger, Hans C., to Kistler Instrumente A.G. Piezoelectric building units. 3,390,287, 6–25–68, Cl. 310—9.6.

Sondermeyer, Jack C., to Radio Corp. of America. Push-pull transistor amplifiers with transformer coupled driver. 3,417,339, 12–17–68, Cl. 330—15.

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Sones, William K., to United States of America, Air Force. Apparatus for reducing radar weather returns by coincidence detection. 3,364,482, 1–16–68, Cl. 343—5.

Sones, William K., to United States of America, Air Force. Auto coherent phase coding apparatus. 3,371,343, 2–27–68, Cl. 343—17.2.

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Song, John S. Dispensing device for pressurized container. 3,366,287, 1–30–68, Cl. 222—402.1.

Song, Won-Ryul, and D. W. Brownawell, to Esso Research and Engineering Co. Diene polymers grafted with dienophile monomers as oil additives. 3,378,492, 4–16–68, Cl. 252—51.

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Sonnabend, Lawrence F., to The Dow Chemical Co. Method of making foamed phenolic resins and product obtained therefrom. 3,415,763, 12–10–68, Cl. 260—2.5.

Sonneborn, Ralph H., and F. A. De Toledo, to Owens-Corning Fiberglas Corp. Mold cooling system and method for polymerizing resins. 3,387,325, 6–11–68, Cl. 18—6.

Sonneman, Robert. Counterpoise lamp. 3,413,459, 11–26–68, Cl. 240—69.

Sonnemann, William K., to Westinghouse Electric Corp. Differential relay with restraining means responsive to transformer bank voltage. 3,414,772, 12–3–68, Cl. 317—14.

Sonnenberg, Charles F., and J. H. Frakes, to Westinghouse Electric Corp. High voltage bushing for horizontal mounting with sheds having rims protecting a substantial portion of the creep distance along the surface of the bushing from atmospheric fallout. 3,376,379, 4–2–68, Cl. 174—211.

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Sonnenfeld, Richard J., and O. G. Buck, to Phillips Petroleum Co. Process for copolymerizing ethylene and higher 1-monoolefins. 3,367,922, 2–6–68, Cl. 260—80.78.

Sonnenschein, George, to North American Rockwell Corp. Method and materials for obtaining low-resistance bonds to telluride thermoelectric bodies. 3,392,439, 7–16–68, Cl. 29—573.

Sonneville, Roger P. Reinforced concrete railway tie. 3,371,866, 3–5–68, Cl. 238—58.

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Sons, Charles C., Jr., to Caterpillar Tractor Co. Multi-wheeled oscillating carriage. 3,378,095, 4–16–68, Cl. 180—75.

Sons, Charles C., Jr., to Caterpillar Tractor Co. Gun mounting for armed vehicles. 3,401,598, 9–17–68, Cl. 89—40.

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Southeimer, Heinrich, and A. J. Fischer, to Fuller Co. Method for thickening sludge. 3,397,143, 8–13–68, Cl. 210—49.

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Soo, Arpad, to Ford Motor Co. Valve stem seal. 3,369,819, 2–20–68, Cl. 277—178.

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Soong, William E., to United States of America, Army. Chucking apparatus. 3,410,031, 11–12–68, Cl. 51—237.

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Sopchack, George R., to Titzel Engineering, Inc. Furnace for heating slabs and the like and conveyor for use thereon. 3,380,722, 4–30–68, Cl. 263—6.

Sopchak, Peter, to Allied Chemical Corp. Process for production of antimony trichloride. 3,367,736. 2–6–68, Cl. 23—98.

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Soper, Quentin F., to Eli Lilly and Co. Sulfanilamides. 3,367,949, 2–6–68, Cl. 260—397.7.

Soper, Quentin F., to Eli Lilly and Co. 4-trifluoromethyl-2, 6-dinitroanilines. 3,443,180, 9–24–68, Cl. 260—577.

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Soprani, Paolo S. Electronic accordion with hinged keyboard and contact plate. 3,419,668, 12–31–68. Cl. 84—1.17.

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Sordello, Frank J., to International Business Machines Corp. Magnetic track following servo system. 3,404,392, 10–1–68, Cl. 340—174.1.

Sorensen, C. M., Co., Inc.: *See*—
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Sorensen, Cloyd J., Jr.: *See*—
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Sorensen, Cloyd J., Jr., and R. E. Porter. Syringe assembly unit. 3,416,657, 12–17–68, Cl. 206—47.

Sorensen, David P., to Minnesota Mining and Mfg. Co. Heat sensitive copy-sheet. 3,367,797, 2–6–68, Cl. 117—36.8.

Sorensen, George E. Method and means for evaluating hole diameters. 3,406,459, 10–22–68, Cl. 33—178.

Sorensen, Helge B., to General Motors Corp. Fastener relaxation testing machine. 3,382,709, 5–14–68, Cl. 73—97.

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Sorensen, Kenneth G. Tank filling control circuit. 3,408,941, 11–5–68, Cl. 103—25.

Sorensen, Leif E., and S. Djernas; said Djernas assor. to said Sorensen. Control devices for hydraulic systems. 3,367,242, 2–6–68, Cl. 91—413.

Sorensen, Max. Pressure transfer apparatus. 3,411,298, 11–19–68. Cl. 60—54.5.

Sorensen, Phillips N., to Park-Ohio Industries, Inc. Apparatus and method for locating an elongated workpiece within a multiturn induction heating coil. 3,410,978, 11–12–68, Cl. 219—10.69.

Sorensen, Robert: *See*—
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Sorensen, Roger A. Car coat hanger. 3,394,911. 7–30–68, Cl. 248—293.

Sorensen, Roger A., and P. F. Boeye, to Northwestern Corrugated Box Co. Shipping cartons. 3,380,643, 4–30–68, Cl. 229—40.

Sorensen, Svend E.: *See*—
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Sorensen, Svend E., and W. L. McHale, to The Battelle Development Corp. Free-piston engine diaphragm compressor. 3,386,647. 6–4–68, Cl. 230—49.

Sorenson, Bill W., and C. P. Pond, to The American Athletic Equipment Co. Side horse training device. 3,379,439, 4–23–68, Cl. 272—64.

Sorenson, Bill W., and C. Denhardt, to New American Co., Inc. Balance beam adapter for gymnastic apparatus transporters. 3,404,884, 10–8–68, Cl. 272—60.

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Sorenson, Dale H., to Reynolds Metals Co. Corrugated ingot. 3,385,678, 5–28–68, Cl. 29—187.

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Sorenson, Gerald T. Flexible shaft coupling. 3,385,080. 5–28–68, Cl. 64—11.

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Sorenson, James L.: *See*—
Pannier, Karl A., Ring, and Sorenson. 3,399,674.

Sorenson, John C. Disposable fluid filter element. 3,375,931, 4–2–68, Cl. 210—350.

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Sorenson, Paul H.: *See*—
Bjornsen, Bjorn G., Lechner, and Sorenson. 3,417,769.

Sorenson, Paul H., to Johnson Service Co. Fluid flow sensing system. 3,378,022. 4–16–68. Cl. 137—81.5.

Sorenson, Wesley T., to Carling Electric, Inc. Variable speed control trigger for electric switch. 3,378,662. 4–16–68. Cl. 200—157.

Sorenson, Wesley T., to Sorenson Lighted Controls, Inc. Snap-in lens. 3,396,269, 8–6–68, Cl. 240—152.

Sorex Ltd.: *See*—
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Sorgenti, Harold A.: *See*—
Bitar, Louie S., and Sorgenti. 3,388,154.

Sorger, Gunther U., and B. O. Weinschel, to Weinschel Engineering Co., Inc. Voltage ratio meter with fast and slow automatic frequency follower. 3,373,354, 3–12–68, Cl. 324—58.

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Sorkin, Howard, to Air Reduction Co. Inc. Trifluoroethoxyethyl vinyl ether and polymers thereof. 3,394,116, 7–23–68, Cl. 260—91.1.

Sorkin, Howard, to Air Reduction Co., Inc. Copolymers of vinyl glycidyl ether. 3,414,634, 12–3–68. Cl. 260—837.

Sorkin, Jack L., to Harris-Intertype Corp. Photopolymer and lithographic plates. 3,387,976, 6–11–68, Cl. 96—86.

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Soros, Paul, and L. C. Friel, to P. Soros. Conveyor system and method of operation thereof. 3,388,818, 6–18–68, Cl. 214—14.

Sorrell, Norwood L. Lift assembly for spacing ring. 3,385,011, 5–28–68, Cl. 52—19.

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Sorteberg, Johannes. Manometer and supporting device. 3,405,560, 10–15–68, Cl. 73—401.

Sorteberg, Johannes. Torsion tube screw driver. 3,405,748, 10–15–68, Cl. 145—50.

Soscia, Bamby L., to The New York Air Brake Co. Telemeter system. 3,378,816, 4–16–68, Cl. 340—147.

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Sosin, Marvin P., to Armour and Co. Product container. 3,410,698, 11–12–68, Cl. 99—174.

Sosnowski, Louis J., Jr., and S. L. Haller, to The Dow Chemical Co. Method for flanging thermoplastic line pipes. 3,390,442, 7–2–68, Cl. 29—157.

Sossna, Hans-Jurgen, to Motomak Motorenbau Maschinen- und Werkzeugfabrik, Konstruktionen G.m.b.H. Automatically hydraulically adjusting play-equalization element for the valve control in piston engines. 3,418,983, 12–31–68, Cl. 123—90.

Sotani, Tadashi and Y. Cartridge for strip and take-up motion therefor. 3,386,676, 6–4–68, Cl. 242—55.13.

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Sotory, Gene E. Pressurized air system for motor vehicles. 3,401,619, 9–17–68, Cl. 98—1.5.
Soubis, Jean-Pierre. Feed of rotary piston engine. 3,362,385, 1–9–68, Cl. 123—8.
Soubis, Jean-Pierre, to Societe de Construction et d'Exploitation de Materiels et Moteurs (S.C.E.M.M.). Resonant charging of rotary engines. 3,370,575, 2–27–68, Cl. 123—8.
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Soucy, Wilfred R. Automatic valvular closure. 3,387,624, 6–11–68, Cl. 137—525.1.
Souder, Louis C., J. A. Powell, and F. A. Hajduk, to Rohm & Haas Co. Extruded matte finish acrylic film. 3,415,796, 12–10–68, Cl. 260—86.1.
Souffle, Robert D., to E. I. du Pont de Nemours and Co. Adhesive containing diene rubber and olefin. 3,364,155, 1–16–68, Cl. 260—4.
Souillard, Michel H. P., to Compagnie des Compteurs. Line distance protective device utilising ultra-rapid static relays. 3,369,156, 2–13–68, Cl. 317—36.
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Kozdemba, Stanley E., Soukup, and Dally. 3,389,117.
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Soul, David M.: *See*—
Wenborne, Ronald F. A. E., and Soul. 3,361,667.
Soulakis, George, to Spectrol Electronics Corp. Potentiometer having housing formed of electrically non-conductive material including integral hinge section and method of making the same. 3,399,369, 8–27–68, Cl. 338—180.
Soulakis, George, Jr., to Spectrol Electronics Corp. Miniature rotary switch with contoured contacts. 3,371,167, 2–27–68, Cl. 200—11.
Soulant, Herman A., to United States of America, Navy. Float for measuring wave characteristics and direction. 3,397,574, 8–20–68, Cl. 73—170.
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Soule, Walter F. Suspension system for lighting fixtures. 3,409,262, 11–5–68, Cl. 248—328.
Soule, Winsor, Jr., to SCM Corp. Protective circuit for magnetic storage unit. 3,389,400, 6–18–68, Cl. 346—74.
Soulen, John R., to Pennsalt Chemicals Corp. Lubricating compositions containing a complex sulfide of arsenic and antimony. 3,377,277, 4–9–68, Cl. 252—12.
Soulen, John R., and W. F. Schwartz, to Pennsalt Chemicals Corp. High temperature, short contact-time pyrolysis of dichlorodifluoromethane. 3,367,983, 2–6–68, Cl. 260—653.
Soulen, John R., and W. F. Schwartz, to Pennsalt Chemicals Corp. High temperature, short-contact time pyrolysis of chlorotrifluoromethane. 3,377,391, 4–9–68, Cl. 260—653.
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Soumerai, Henri, H. W. Moody, Jr., C. B. Hamilton, and J. R. Blatt, to Dunham-Bush, Inc. Refrigeration system with loading and unloading control. 3,408,827, 11–5–68, Cl. 62—196.
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Speer, Ralph W., to Shirlo, Inc. Combination box tie and handle. 3,394,868, 7–30–68, Cl. 229—46.

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Speer, Thompson K., Sr., to Lockheed Aircraft Corp. Station keeping and navigation aid system. 3,409,888, 11–5–68, Cl. 343—6.5.

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Speicher, Paul L., to The Cyclone Seeder Co., Inc. Material spreader. 3,394,892, 7–30–68, Cl. 239—683.

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Spenadel, Lawrence, H. Bieber, and W. J. Sparks, to Esso Research and Engineering Co. Hybrid rocket propellent grain. 3,367,268, 2–6–68, Cl. 102—102.

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Sperberg, Lawrence R. Bias constructed truck tire. 3,397,729, 8–20–68, Cl. 152—354.

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Stacy, Charles L., Jr., and G. H. Beaver, to The Dow Chemical Co. Ethyl cellulose composition for use in arc extinguishing apparatus. 3,415,963, 12–10–68, Cl. 200—144.

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Stadler, Hans, H. Gawlick, and H. Umbach, to Dynamit Nobel Aktiengesellschaft. Propellant cartridge for commercial powder driven apparatus. 3,410,213, 11–12–68, Cl. 102—39.

Stadler, Hans, H. Gawlick, and H. Bendler, to Dynamit Nobel Aktiengesellschaft. Percussion cap and fuse and ordnance piece. 3,415,192, 12–10–68, Cl. 102—86.5.

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Stark, John, Jr.: *See*—
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Stark, Klaus: *See*—
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Stark, Manfred: *See*—
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Stark, Martin H. Shade roller. 3,362,461, 1–9–68, Cl. 160—323.

Stark, Marvin K., to General Motors Corp. Short range radio telemetry. 3,378,828, 4–16–68, Cl. 340—206.

Stark, Rudolf, and H.-J. Held, to Telefunken Patentverwertungs-G.m.b.H. Transmission system. 3,381,273, 4–30–68, Cl. 340—146.1.

Stark, Sheldon L., and J. H. Babbitt, Jr., to Caterpillar Tractor Co. Vehicle dump door operating linkage. 3,403,939, 10–1–68, Cl. 298—23.

Stark, Sven Olof S., to AB Tetra Pak. Method of covering a stamped hole in a laminated packaging material by means of a wafer or the like, and a package to which the method has been applied. 3,361,611, 1–2–68, Cl. 156—252.

Stark, Sven O. S., H.-G. W. Melle, and T. L. Lindh. Container opening device comprising a slot and a strip passing through it. 3,416,716, 12–17–68, Cl. 229—7.

Stark, Walter. Nonskid attachment for the ground-engaging ends of canes, crutches and the like. 3,376,880, 4–9–68, Cl. 135—59.

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Hufstedler, Zan E., and Anderson. 3,364,699.
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Starkey, Orval R., 50% to A. L. Lourenco. Roller compressing apparatus for mechanical pickers. 3,418,791, 12–31–68, Cl. 56—42.
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Elich, Nick F. 3,402,804.
Griffith, Herald E., and Danko. 3,406,856.
Griffith, Herald E., and Danko. 3,407,079.
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Ferris, Robert G. 3,414,199.
Ferris, Robert G. 3,415,455.
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Staron, Edward A. Folding seat and locker arrangement for a boat hull. 3,376,587, 4–9–68, Cl. 9—7.
Starp, Frank W. R., to Alfred Gauthier Prontor-Werk G.m.b.H. Automatic photographic shutter. 3,398,668, 8–27–68, Cl. 95—53.
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Starp, Franz W. R., to Prontor-Werk Alfred Gauthier G.m.b.H. Optical apparatus. 3,372,628, 3–12–68, Cl. 95—44.
Starp, Franz W. R., to Prontor-Werk Alfred Gauthier G.m.b.H. Automatic photographic shutter. 8,381,598, 5–7–68, Cl. 95—59.
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Start, Ernest, and R. Blood, to William Cotton Ltd. Straight bar knitting machines. 3,398,554, 8–27–68, Cl. 66—89.
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Stata, Stanley S. Floor mat and locating frame combination for motor vehicles. 3,391,959, 7–9–68, Cl. 296—1.
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Vanatrom, Reginald E., and McCollough. 3,387,925.
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Stein, Werner, O. Koch, and H. Weiss, to Henkel & Cie, G.m.b.H. Liquid or paste detergent preparations having sulfo fatty acid salts as viscosity reducing agents. 3,377,290, 4–9–68, Cl. 252—152.

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Steinke, John J. Ignition distributor structure. 3,419,689, 12–31–68, Cl. 200—19.
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Steinke, Otto F., to The Globe Tool and Engineering Co. Belt drive. 3,382,729, 5–24–68, Cl. 74—226.
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Steinmetz, Andre, to Produits Chimiques Pechiney St.-Gobain. Process for the dissociation of ammonium salts. 3,393,048, 7–16–68, Cl. 23—193.
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Steinmetz, Hans W., to Georg Fischer Aktiengesellschaft. Apparatus for axially centering a workpiece in machines adapted to cut a workpiece to length and center the same. 3,400,618, 9–10–68, Cl. 82—2.5.
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Stelsslinger, Kurt, and H. Simon, to Eastman Kodak Co. Photographic camera with flash unit. 3,391,622, 7-9-68, Cl. 95—11.
Stelchek, Charles G., to Johns-Manville Corp. Apparatus for loosening cementitious water-laid pipe from a mandrel. 3,416,995, 12-17-68, Cl. 162—284.
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Stelljes, Charles R., G. A. Dobslaw, and L. Cordone, to Rockwell Mfg. Co. Wood cutting saw blade attachment for hedge trimmer. 3,364,574, 1-23-68, Cl. 30—144.
Stelmach, John J. Fishing device. 3,387,401, 6-11-68, Cl. 43—17.
Stelmah, John, to Johns-Manville Corp. Method and apparatus for processing heat softenable material. 3,395,005, 7-30-68, Cl. 65—5.
Stelmak, John P., to Westinghouse Electric Corp. Hermetically sealed semiconductor device. 3,381,080, 4-30-68, Cl. 174—52.
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Stelwagen, Jan, to North American Philips Co., Inc. Resilient supports for rotating machine parts. 3,389,881, 6-25-68, Cl. 248—18.
Stelzer, Carl, to Hauni-Werke Koeber and Co. K.G. Method and apparatus for assembling mouthpieces with tobacco rods. 3,398,753, 8-27-68, Cl. 131—88.
Stelzer, James S., to Peter Eckrich & Sons, Inc. Packaging system. 3,389,532, 6-25-68, Cl. 53—128.
Stelzer, William, to Kelsey-Hayes Co. Pressure failure indicating device for brake systems. 3,371,173, 2-27-68, Cl. 200—82.
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Stelzer, William, to Kelsey-Hayes Co. Brake pressure proportioning and metering valve. 3,388,950, 6-18-68, Cl. 303—6.
Stelzer, William, to Kelsey-Hayes Co. Hydraulic brake fluid motor. 3,394,546, 7-30-68, Cl. 60—54.5.
Stelzer, William, to Kelsey-Hayes Co. Proportioning valve. 3,395,537, 8-6-68, Cl. 60—54.5.
Stelzer, William, to Kelsey-Hayes Co. Power operated brake pressure proportioning and boosting device. 3,408,814, 11-5-68, Cl. 60—54.5.
Stelzer, William, to Kelsey-Hayes Co. Power assisted fluid motor for hydraulic brake systems. 3,408,815, 11-5-68, Cl. 60—54.6.
Stelzer, William, to Kelsey-Hayes Co. Pressure metering valve. 3,418,024, 12-24-68, Cl. 303—6.
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Stem, Richard K., Dolan, and Stem. 3,403,452.
Stem, Richard K., W. T. Dolan, and C. C. Stem, to Chester B. Stem, Inc. Steaming device and method. 3,403,452, 10-1-68, Cl. 34—13.8.
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Stemke, Henry F., and W. W. Morris. Shower curtain retaining means. 3,365,684, 1-23-68, Cl. 335—302.
Stemler, Joseph, to Ritter Pfaudler Corp. Dental handpiece. 3,400,459, 9-10-68, Cl. 32—26.
Stemler, Joseph, K. G. Slotkowski, and J. E. Sargeant, to Ritter Pfaudler Corp. Motorized dental handpiece and control therefor. 3,411,209, 11-19-68, Cl. 32—23.
Stemme, Nils G. E. Checking arrangement for passing persons, particularly for checking the work-time. 3,401,374, 9-10-68, Cl. 340—172.5.
Stemmler, Herbert, to Aktiengesellschaft Brown, Boveri & Cie. Frequency changer employing parallel connected main and auxiliary groups of rectifiers and a commutation and quenching device connected therebetween. 3,406,326, 10-15-68, Cl. 321—43.
Stemmler, Kurt, to R. Winkler, and K. Dunnebier. Cutting device for cutting webs and blanks. 3,380,327, 4-30-68, Cl. 83—100.
Stemmler, Kurt, to R. Winkler and K. Dunnebier. Apparatus for applying window material to window cutouts in the manufacture of window envelopes and the like. 3,400,641, 9-10-68, Cl. 93—61.
Stemmler, Kurt, to R. Winkler and K. Dunnebier. Apparatus for folding and gumming the side flaps and folding the bottom flaps in the manufacture of envelopes and the like. 3,400,642, 9-10-68, Cl. 93—62.
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Reeder, Earl, Stempel, and Sternbach. 3,374,225.
Stempel, Arthur, and L. H. Sternbach, to Hoffmann-La Roche Inc. Process for preparing 1,4-benzodiazepin-2-ones. 3,405,123, 10-8-68, Cl. 260—239.3.
Stempel, Arthur, and L. H. Sternbach, to Hoffman-La Roche, Inc. 2-Lower-alkanoyl-amido-nicotinic acid and derivatives thereof. 3,415,835, 12-10-68, Cl. 260—295.5.
Stemple, Jerry L., to General Motors Corp. Air cushion device with height controlling bleed holes. 3,373,838, 3-19-68, Cl. 180—124.
Sten, Nathan. Apparatus for internal wiring. 3,365,780, 1-30-68, Cl. 29—203.
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Bradfield, Todd S., Michal, Peck, and Stencel. 3,387,803.
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Stengel, Edgar, and J. Müller, to AEG-Elotherm G.m.b.H. Apparatus for heating and holding the temperature of long stock. 3,419,701, 12-31-68, Cl. 219—156.
Stengel, James J. Vehicle convertible tops. 3,404,914, 10-8-68, Cl. 296—120.
Stengel, Theodore R., to McGill Mfg. Co., Inc. Mechanical device. 3,361,497, 1-2-68, Cl. 308—187.2.
Stengelin, Adolf, and F. Ruckert, to Daimler-Benz Aktiengesellschaft. Hydrodynamic vehicle brake. 3,363,728, 1-16-68, Cl. 188—90.
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Stenger, Richard C., to Kliklok Corp. Adhesive applicator of the spotter type for folding boxes. 3,415,221, 12-10-68, Cl. 118—243.
Stenger, Richard E., to General Electric Co. Cooled joint construction for combustion wall means. 3,408,812, 11-5-68, Cl. 60—39.65.
Stengle, Edward J., Jr., to Owen-Illinois, Inc. Container and closure means therefor. 3,371,847, 3-5-68, Cl. 229—43.
Stengle, Edward J., Jr., to Owens-Illinois, Inc. Liquid dispensing device. 3,409,184, 11-5-68, Cl. 222—321.
Stengle, William B., and F. B. Schelhorn, to Tennessee River Pulp and Paper Co. Method of forming multi-ply board with plies of different consistencies. 3,406,088, 10-15-68, Cl. 162—125.
Stenholm, Robert F. Precision gear gauge. 3,381,386, 5-7-68, Cl. 33—179.5.
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Stepanek, Roy W., to Pettibone Mulliken Corp. Fine grind hammer mill with adjustable hammer rotor. 3,379,383, 4-23-68, Cl. 241—86.

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Kloepfer, Harry, Knorre, and Stephan. 3,383,184.

Stephan, Kurt, to Globe-Union Inc. Electrical component assembly with improved strut fastening means and method of manufacture thereof. 3,364,396, 1–16–68, Cl. 317—101.

Stephan, Raymond C., and C. M. Willey, to United States Steel Corp. Oxygen lance for steelmaking furnaces. 3,411,716, 11–19–68, Cl. 239—132.3.

Stephanoff, Nicholas N., to Fluid Energy Processing & Equipment. Apparatus for pulverizing and drying solids. 3,360,870, 1–2–68, Cl. 34—57.

Stephanoff, Nicholas N., to Fluid Energy Processing & Equipment Co. Method for drying or treating wet solid and semi-solid materials. 3,403,451, 10–1–68, Cl. 34—10.

Stephanoff, Nicholas N., and F. E. Albus, to Fluid Energy Processing & Equipment Co. Apparatus for coating fluid and semifluid substance with solid materials. 3,394,430, 7–30–68, Cl. 18—1.

Stephan-Werke G.m.b.H. & Co.: *See*—
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Stephany, Joseph F., to General Dynamics Corp. Electro-optical modulator. 3,379,887, 4–23–68, Cl. 250—199.

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Stephens, Charles R., Jr., and R. P. Allingham, to Chas. Pfizer & Co., Inc. 2-ethylpyromeconic acid as aroma and flavor component. 3,376,317, 4–2–68, Cl. 260—345.9.

Stephens, Curtis W., to E. I. du Pont de Nemours and Co. Aromatic polyamides from N,N'-diphenyl diamines. 3,418,275, 12–24–68, Cl. 260—47.

Stephens, Donald S., to Westinghouse Electric Corp. Three-phase transformer having four core legs. 3,395,373, 7–30–68, Cl. 336—12.

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Stephens, John A., to Monsanto Co. N-aralkylsulfonyl carbamates. 3,377,375, 4–9–68, Cl. 260—470.

Stephens, John F., III, to General Motors Corporation. Disc damper. 3,378,115, 4–16–68, Cl. 188—218.

Stephens, Joseph F., to Stephens Industries, Inc. Embossed slab of glue. 3,397,777, 8–20–68, Cl. 206—65.

Stephens, Joseph F., to Stephens Industries, Inc. Filament inserting tool. 3,416,713, 12–17–68, Cl. 223—104.

Stephens, Kenneth D., Jr., to University of Utah. Radar glasses for the blind. 3,383,682, 5–14–68, Cl. 343—7.7.

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Stephens, Roger C., to Dresser Industries, Inc. Elements for the support of refractory anchors. 3,413,768, 12–3–68, Cl. 52—484.

Stephens, Timothy, to United States of America, Air Force. Object locating by means of sensing a light spot. 3,419,721, 12–31–68, Cl. 250—202.

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Stephenson, Edward E., to Brown Co. Laminated closure for food trays having heat-retractable window. 3,410,697, 11–12–68, Cl. 99—171.

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Stephenson, George W., to Ingles & Macinnes Ltd. Pipe coupling. 3,408,096, 10–29–68, Cl. 285—110.

Stephenson, Homer E., and R. E. Pace, to General Micro-Electronics, Inc. Integral counting circuit with storage capacitors in the conductive path of steering gate circuits. 3,363,115, 1–9–68, Cl. 307—279.

Stephenson, James W., to Boving and Co., Ltd. Hydraulic valves. 3,371,683, 3–5–68, Cl. 137—599.1.

Stephenson, John M., and D. E. Williams, to United States of America, Navy. Blast protected ventilation duct system. 3,402,655, 9–24,68, Cl. 98—119.

Stephenson, John V., to American Air Filter Co., Inc. Combustion chamber air flow control. 3,364,969, 1–23–69, Cl. 158—4.

Stephenson, Kay C. Safety carrier for infants. 3,366,294, 1–30–68, Cl. 224—29.

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Stephenson, William M., to Nalco Chemical Co. Method of improving operational efficiency of white water recovery system by treatment with anionic copolymers of acrylic acid salts and acrylamide. 3,374,143, 3–19–68, Cl. 162—190.

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Steppan, Hartmut, to Azoplate Corp. Cleaning solution for printing plates. 3,373,115, 3–12–68, Cl. 252—153.

Steppan, Hartmut, to Azoplate Corp. Process for the preparation of a printing plate made from a diazonium salt mixed with an organic acid from the group consisting of phosphonic, phosphinic and arsonic acids. 3,404,003, 10–1–68, Cl. 96—33.

Steppan, Hartmut, A. Rebenstock, and W. Neugebauer, to Azoplate Corp. Method for the manufacture of polyfunctional diazonium phosphates. 3,406,159, 10–15–68, Cl. 260—141.

Steppat, Christian H. M., to Northern Electric Co. Ltd. Formation of metallic contacts. 3,386,894, 6–4–68, Cl. 204—15.

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Sterba, Antonin M. Toy airplane or glider construction. 3,366,354, 1–30–68, Cl. 244—154.

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Sterk, Andrew A., to American Machine & Foundry Co. Proton-excited soft X-ray analyzer having a rotatable target for selectively directing the X-rays to different detectors. 3,370,167, 2–20–68, Cl. 250—49.5.

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Sterling, George B., and C. E. Pawloski, to The Dow Chemical Co. N,N-di-(2-propynyl)-phenylsulfonamides. 3,362,991, 1-9-68, Cl. 220—556.

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Stern, Barry J. Gating circuit for setting, resetting, and changing the state of a transistor flip-flop for voltage level input changes. 3,369,130, 2-13-68, Cl. 307—247.

Stern, Charles J., Jr., and E. G. Budnick, to Plains Chemical Development Co. Tetraorganoboron-phosphorus coordination complex compounds. 3,372,200, 3-5-68, Cl. 260—606.5.

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Stern, Eric W., and M. L. Spector, to Pullman Inc. Process for production of isocyanates. 3,405,156, 10-8-68, Cl. 260—453.

Stern, Georg, F. Munk, and S. Harel, to Chemicals and Phosphates, Ltd. Anticorrosive compositions. 3,373,133, 3-12-68, Cl. 260—37.

Stern, George T. Valve. 3,367,626, 2-6-68, Cl. 251—340.

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Stevens, Calvin L., H. O. Michel, A. B. Ash, J. Epstein, P. Blumbergs, and B. E. Hackley, Jr.; said Michel, Epstein, and Hackley, assors. to United States of America, Army; said Stevens, Ash, and Blumbergs, assors. to Ash Stevens, Inc. Esters of sulfonic acids containing quaternary ammonium groups and process for the preparation thereof. 3,410,858, 11–12–68, Cl. 260—294.8.

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Stevens, Donald G., A. F. Miller, and G. E. King, to The Standard Oil Co. Removal of saturated carbonyls from unsaturated nitriles by pH-controlled distillation. Re. 26,401, 6–4–68, Cl. 203—6.

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Stevens, Eugene V. Bedside bathing apparatus. 3,407,411, 10–29–68, Cl. 4—185.

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Stevens, Norman B., and D. D. Errett, to Santa Barbara Research Center. Film supported detector with low heat transfer impedance path from cold junctions to thermal sink. 3,405,272, 10–8–68, Cl. 250—83.3.

Stevens, Norman B., and W. J. Colton, to Santa Barbara Research Center. Detector arrangement having a collector with electrically insulating porous material thereon. 3,405,273, 10–8–68, Cl. 250—83.3.

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Stevenson, David G., United Kingdom Atomic Energy Authority. Continuous precipitation process for recovering uranium and/or plutonium from solution. 3,372,999, 3–12–68, Cl. 23—332.

Stevenson, David G., to United Kingdom Atomic Energy Authority. Precipitation processes. 3,393,055, 7–16–68, Cl. 23—335.

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Stevenson, John, Jr., and R. E. Taggart; said Stevenson assor. to FMC Corp., and said Taggart assor. to American Can Co. Carton transfer apparatus. 3,378,128, 4–16–68, Cl. 198—20.

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Stewart, Donald A. Holding and locating devices for overlapping structural members. 3,390,905, 7–2–68, Cl. 287—189.36.
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Stewart, Eugene B.: *See*—
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Stewart, Iain G. H., and M. S. Hunt, to African Explosives and Chemical Industries Ltd. Method of and apparatus for dispensing fluent materials. 3,419,193, 12–31–68, Cl. 222—183.
Stewart, Jack D. M., to McGraw-Edison Co. Mechanism for moving pressing chest. 3,378,178, 4–16–68, Cl. 223—57.
Stewart, James A., to Automatic Electric Laboratories, Inc. Compandoring techniques for high-frequency radio circuits. 3,377,559, 4–9–68, Cl. 325—61.
Stewart, James B., to Westinghouse Electric Corp. Endless loop message recording apparatus with reset and indicating means. 3,419,687, 12–31–68, Cl. 179—100.2.
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Stewart, James M., S. Pashaian, P. N. Romack, and O. M. Arnold, to Ajem Laboratories, Inc. Filter device. 3,373,877, 3–19–68, Cl. 210—401.
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Stewart, John A., and J. R. Ziegler, to General Motors Corp. Frequency meter using transistor switched field coil. 3,384,817, 5–21–68, Cl. 324—70.
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Stewart, John K., and H. R. E. Von Beckmann. Method and apparatus for track working. 3,391,648, 7–9–68, Cl. 104—7.
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Stewart, Orald L., to Textron, Inc. Continuous heat treating system. 3,362,857, 1–9–68, Cl. 148—126.
Stewart, Phillip M., to Midwest Gage Co., Inc. Rotating air cylinder utilizing air as air seal. 3,380,350, 4–30–68, Cl. 92—106.
Stewart, Raymond A., J. Darcy, and L. A. McLeod, to Polymer Corp. Ltd. Polymerization of butadiene. 3,409,604, 11–5–68, Cl. 260—94.3.
Stewart, Richard D., to The Dow Chemical Co. Artificial body organ apparatus. 3,373,876, 3–19–68, Cl. 210—321.
Stewart, Richard F.: *See*—
Carter, Clarence J., and Stewart. 3,377,215.
Carter, Clarence J., and Stewart. 3,382,115.
Stewart, Robert F., to Litton Precision Products, Inc. Waveguide flange and coupling assembly. 3,374,450, 3–19–68, Cl. 333—98.
Stewart, Rodney R., Jr., to Cocker Machine & Foundry Co. Yarn package holder for textile creels. 3,391,889, 7–9–68, Cl. 248—221.
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Stewart, Roy A. Hobbyhorse. 3,379,438, 4–23–68, Cl. 272—52.
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Mitchell, Robert W. 3,371,525.
Stewart, Walter N., ½ to E. P. Remington. Aircraft emergency ejection arrangement. 3,377,037, 4–9–68, Cl. 244—17.15.
Stewart, Walter N., to United States of America, Army. Fuze testing apparatus. 3,380,297, 4–30–68, Cl. 73—167.
Stewart, Walter R. Multiple condition switch controlling apparatus. 3,402,329, 9–17–68, Cl. 317—142.
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Baker, John D., Jr. 3,403,276.
Bardwell, Francis G., and Payne. 3,369,123.
Bishop, Robert M. 3,403,222.
Brehmer, John R. 3,393,841.
Brouwer, Frans. 3,369,301.
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Clinton, Edwin T. 3,409,105.
Deadrick, James R. 3,416,184.
Dinkelkamp, Henry T., and Miles. 3,419,695.
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Emmert, Thomas E. 3,368,606.
Fairbanks, Gordon J. 3,368,584.
Fairbanks, Gordon J. 3,386,500.
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Galla, Joseph J., and Williams. 3,382,566.
Galvin, Ralph B. 3,402,985.
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Kadivnik, Norman H. 3,417,250.
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Krasnitz, Ronald H. 3,362,061.
Lindberg, Evert, and Miles. 3,362,388.
Little, Arthur J. 3,387,267.
Little, Arthur J. 3,403,275.
Little, Arthur J. 3,416,304.
Little, Arthur J. 3,416,507.
Little, Arthur J., and Mayer. 3,418,802.
Martz, Roger G. 3,382,862.
Miles, Marshall, Northrup, and Wargo. 3,393,568.
Osterhous, Carl S., and Jones. 3,393,544.
Rutledge, Joseph P., and Tramontini. 3,403,854.
Williams, Philip J. 3,386,770.
Williams, Philip P. 3,402,964.
Woodcock, Charles A. 3,375,367.
Stewart, Warren G., to Dixie Enterprises, Inc. Multi-layered filter apparatus. 3,382,983, 5–14–68, Cl. 210—266.
Stewart, William D.: *See*—
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Stewart, William P., and J. W. Williams, to E. I. du Pont de Nemours and Co. Connection for blade terminals. 3,392,357, 7–9–68, Cl. 337—187.
Stewart, William R. and D. B., to Wm. R. Stewart & Sona (Hackelmakers) Ltd. Faller bar for fibre preparation machine. 3,398,437, 8–27–68, Cl. 19—129.
Stewart, Wm. R., & Sons (Hackelmakers) Ltd.: *See*—
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Stewart, Willis L.: *See*—
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Stewarts and Lloyds Ltd.: *See*—
Belford, Adam J. R. 3,384,410.
Steyermark, Paul R., to W. R. Grace & Co. Polymerization of aryl and aralkyl isocyanates. 3,381,008, 4–30–68, Cl. 260—248.
Steyh, Joseph. Traversing mechanism. 3,400,594, 9–10–68, Cl. 74—37.
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Robra, Helmut, Behrendt, and Steyvers. 3,373,592.
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Stickelmeyer, Jerome H., to The Dow Chemical Co. Antifogging coatings for alkenyl aromatic resinous substrates. 3,392,133, 7–9–68, Cl. 260—29.6.
Stickelmeyer, Jerome H., and J. C. Safranski, Jr., to The Dow Chemical Co. Aqueous dispersion coating containing wax and certain acrylate type polymers. 3,412,059, 11–19–68, Cl. 260—28.5.
Stickley, Elmer E., and M. McKeown. Time and rhythm indicating device. 3,406,604, 10–22–68, Cl. 84—484.
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Stiebel, Ariel I., and S. A. Lippmann. Electrical stimulator. 3,403,684, 10–1–68, Cl. 128—407.
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Stieber, Wolfgang R., to The Mosler Safe Co. Lockable receiver for pneumatic tube conveying systems. 3,417,941, 12–24–68, Cl. 243—16.
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Stiefel, Henry K., to Orthopedic Equipment Co., Inc. Universal clavicle splint. 3,382,868, 5–14–68, Cl. 128—87.
Stiefel, Ludwig, and H. A. Kirshner, to United States of America, Army. Nitrated organic liquid propellant composition having improved spark ignition. 3,377,219, 4–9–68, Cl. 149—88.
Stieg, Fred B. Process and apparatus for making regenerated cellulose sponges. 3,382,303, 5–7–68, Cl. 264—49.
Stieg, Robert W., to FWD Corp. Drive system for a vehicle having multiple driven rear axles. 3,403,742, 10–1–68, Cl. 180—22.
Stiegler, George H., Jr., and B. Marshak, to United States of America, Air Force. Wave guide valve. 3,364,443, 1–16–68, Cl. 333—7.
Stieler, William E. Fastener for curtains, draperies and the like. 3,370,316, 2–27–68, Cl. 16—87.2.
Stiepel, Erhard E., J. D. Page, and P. A. Bowie, to Maremont Corp. Spindle control mechanism. 3,364,670, 1–23–68, Cl. 57—88.
Stiepel, Erhard E., and J. B. Wallace, to Maremont Corp. Textile sliver evening apparatus. 3,403,426, 10–1–68, Cl. 19—240.
Stier, Henry W., to Carmet Co. Tool holder assembly. 3,369,284, 2–20–68, Cl. 29—96.
Stier, Otto, and E. Beck, to Vollmer Werke Maschinenfabrik G.m.b.H. Sawtooth treating apparatus. 3,416,394, 12–17–68, Cl. 76—49.
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Stiff, Geoffrey M., to Commonwealth Scientific and Industrial Research Organization. Variable width slit operating mechanism. 3,394,977, 7–30–68, Cl. 350—271.
Stifter, Francis J., and W. W. Shrader, to Raytheon Co. Moving target indication system using a staggered repetition rate. 3,417,396, 12–17–68, Cl. 343—7.7.
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Stikeleather, Alan, and R. M. 3,415,094.
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Stiles, John C.: *See*—
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Stiles, Robert G. Dental floss applicator. 3,378,017, 4–16–68, Cl. 132—92.
Stiles, Walter R., to Skuttle Mfg. Co. Rotary humidifier drive. 3,408,880, 11–5–68, Cl. 74—405.
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Still, William L., to Westinghouse Electric Corp. Method utilizing a pair of subsurface antennas for determining the physical properties effecting radio energy propagation through earth. 3,398,356, 8–20–68, Cl. 324—6.
Stille, Gunther, and T. J. Wagner-Jauregg, to Siegfried Aktiengesellschaft. Treatment of parkinsonism in humans with N,N-diphenyl carbamates of alkylaminoalkanols. 3,400,-203, 9–3–68, Cl. 424—300.
Stille, Volker: *See*—
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Hany, Harald, and Stille. 3,418,860.
Stiller, Jack D.: *See*—
Gaskievicz, Mark C., and Stiller. 3,394,339.
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Sindzinski, Willy, and Stiller. 3,403,799.
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Stilley, Herschel H., and K. S. Kordik, ½ to Warner Electric Brake & Clutch Co., and ½ to said Stilley. Brush lifting mechanism for variable speed A-C motor. 3,376,483, 4–2–68, Cl. 318—214.
Stilley, Herschel H., and K. S. Kordik, ½ to Warner Electric Brake & Clutch Co., and ½ to said Stilley. Take-up reel for rotatable stator leads. 3,405,296, 10–8–68, Cl. 310—116.
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Sinclair, William R., and Stillinger. 3,388,053.
Stillings, William K.: *See*—
Weiler, Ernest A., and Stillings. 3,376,853.
Stillit, Gerald B. Apparatus for teaching knowledge. 3,397,-466, 8–20–68, Cl. 35—9.
Stillman, Donald W.: *See*—
Laufman, Harry A., and Stillman. 3,401,766.
Stillman, Milton. Mouth to mouth resuscitation device. 3,395,-700, 8–6–68, Cl. 128—145.5.
Stillwagon, George B., ½ to K. G. Fraser. Torque coupling. 3,367,140, 2–6–68, Cl. 64.
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Sumner, B. Carmichael. 3,383,710.
Stillwell, Peter F. T. C., to Rank-Bush Murphy Ltd. Message store. 3,403,390, 9–24–68, Cl. 340—324.
Stillwell, Peter F. T. C., J. D. Barr, and T. C. Reeve, to Rank Organisation Ltd. Gauging device including feedback means applying a signal comparison means to control the level of a detected signal. 3,387,776, 6–11–68, Cl. 324—61.
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Stilmar, Frederic B., to E. I. du Pont de Nemours and Co. Tetrafluoroethylene, isobutylene, carboxylic copolymers. 3,380,974, 4–30–68, Cl. 260—80.8.
Stilphen, George A. and G. H. Envelope tear-strip applying machine. 3,371,007, 2–27–68, Cl. 156—498.
Stilphen, George H.: *See*—
Stilphen, George A. and G. H. 3,371,007.
Stilwell, George R., Jr.: *See*—
Abramson, Paul, Bederman, Bennett, Chin, Krakinowski, Stilwell, and Winchell. 3,369,219.
Abramson, Paul, Bennett, and Stilwell. 3,362,013.
Abramson, Paul, Chin, and Stilwell. 3,397,388.
Bennett, Richard W., Krakinowski, and Stilwell. 3,371,-336.
Stilwell, James, to Telesystems Corp. Pluggable filter assembly for use in electronic distribution system. 3,374,447, 3–19–68, Cl. 333—70.
Stilwell, Robert E., to FMC Corp. Portable irrigation apparatus. 3,415,270, 12–10–68, Cl. 137—344.
Stilz, Walter: *See*—
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Stimler, Morton. Electron stimulated optical maser. 3,393,-373, 7–16–68, Cl. 331—94.5.
Stimpson, Donald E., to Chrysler Corp. Brake switch assembly. 3,404,246, 10–1–68, Cl. 200—61.89.
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Stine, Clair K., and R. H. Dugge, to ACF Industries, Inc. Outlet structure for unloading bulk materials either by gravity or pneumatically. 3,403,943, 10–1–68, Cl. 302—52.
Stine, Howard A., C. E. Shepard, and V. R. Watson, to United States of America, National Aeronautics and Space Administration. Electric arc apparatus. 3,360,988, 1–2–68, Cl. 73—147.
Stine, Howard E., Jr., to AMP Inc. Tool for making electrical connections. 3,372,454, 3–12–68, Cl. 29—203.
Stine, Paul T., to United States of America, Navy. Data collection system having plural channel storage of sequential signals. 3,364,466, 1–16–68, Cl. 340—147.
Stine, Ralph M., and H. E. Weller, to Western Electric Co., Inc. Sheave capstan assemply for cable takeup apparatus. 3,413,793, 12–3–68, Cl. 57—68.
Stinehelfer, Harold E., to Bell Telephone Laboratories, Inc. Ridge waveguide resonant cavity for measuring dielectric constants. 3,384,814, 5–21–68, Cl. 324—58.
Stingley, Norman H. Method of molding a polishing and deburring wheel. 3,372,220, 3–5–68, Cl. 264—236.
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Stinson, Thomas W., Jr. Electrical grounding method and means. 3,363,310, 1–16–68, Cl. 29—628.
Stinson, Thomas W., Jr. Block for supporting and guiding a line or the like. 3,385,563, 5–28–68, Cl. 254—195.
Stinson, William J. Foldable camera support for action photos of bowlers. 3,403,611, 10–1–68, Cl. 95—11.5.
Stinton, F. M., Inc.: *See*—
Stinton, Frederick M. 3,371,909.
Stinton, Frederick M., to F. M. Stinton, Inc. Hydraulic apparatus for applying tension to cables. 3,371,909, 3–5–68, Cl. 254—29.
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Stiphany, Rudolph L. Support for bathing and dressing infants. 3,392,408, 7–16–68, Cl. 4—185.
Stipp, Robert L. Golf stance guide. 3,384,377, 5–21–68, Cl. 273—187.
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Stirling, Harold T., to Stirling Sintering Co. Apparatus for the reclamation of fine material. 3,381,948, 5–7–68, Cl. 266—21.
Stirling, James. Rope strand or yarn and method of making same to reduce its whip-back characteristic at rupture. 3,383,849, 5–21–68, Cl. 57—144.
Stirling Sintering Co.: *See*—
Stirling, Harold T. 3,374,998.
Stirling, Harold T. 3,381,948.
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Stixrood, Jarvis A., J. R. Bruce, and E. C. Holden, to Pacific Car and Foundry Co. Skidder winch. 3,416,773, 12–17–68, Cl. 254—166.
Stoate, Norman P., and C. R. Edwards. Apparatus for detecting the presence of foreign bodies in transparent containers. 3,368,676, 2–13–68, Cl. 209—111.7.
Stobb, Anton R. Paper jogger and compressor. 3,367,652, 2–6–68, Cl. 271—89.
Stobb, Anton R., to Stobb, Inc. Signature feeder. 3,416,679, 12–17–68, Cl. 214—8.5.
Stobb, Anton R., to Stobb, Inc. Book collating method and means. 3,416,786, 12–17–68, Cl. 270—54.
Stobb, Inc.: *See*—
Stobb, Anton R. 3,416,679.
Stobb, Anton R. 3,416,786.
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Stöber, Paul and W. Friction wheel transmission. 3,388,607, 6–18–68, Cl. 74—191.
Stober, Paul and W., to Gebruder Stober Maschinenfabrik. Infinitely variable friction cone transmission. 3,396,588, 8–13–68, Cl. 74—190.
Stober, Wilhelm: *See*—
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Stober, Paul and W. 3,396,588.
Stock, August, to Moore Dry Kiln Co. Bearing member for sheet material roller feed. 3,401,929, 9–17–68, Cl. 271—50.
Stock, Donald F.: *See*—
Cobaugh, George D., Stock, and Wishon. 3,401,053.
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Stock, Hans-Joachim, to Franz Morat G.m.b.H. Capacitor fed electromagnetic winding arrangement. 3,391,307, 7–2–68, Cl. 317—151.
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Stock, Richard R. Shelter. 3,389,510, 6–25–68, Cl. 52—2.
Stockbridge, Bruce W., T. O. Patton, and L. R. Bishop, to Eastman Kodak Co. Camera for taking parallax panoramagrams. 3,380,360, 4–30–68, Cl. 95—18.
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Gregory, Ralph A., and Stockdale. 3,369,109.
Stockdale, Ralph W., to General Motors Corp. Multilayer electronic module. 3,372,309, 3–5–68, Cl. 317—101.
Stockdale, William D., to Illinois Tool Works Inc. Multi-packaging device. 3,390,766, 7–2–68, Cl. 206—65.
Stockebrand, Thomas C., to Digital Equipment Corp. Bidirectional retrieval of magnetically recorded data. 3,387,293, 6–4–68, Cl. 340—174.1.
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Stocker, Donald D. and F. E. Method of producing nutrient-containing plant containers. 3,372,018, 3–5–68, Cl. 71—21.
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Stocker, Emil, K. E. Burdeska, and W. Stammbach, to J. R. Geigy A.G. Mono-azo pigments. 3,405,119, 10–8–68, Cl. 260—203.
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Strandberg, Arne. 3,389,072.
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Stocking, John L., to Eastman Kodak Co. Roller squeegee. 3,402,656, 9–24–68, Cl. 100—155.
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Schick, John W., Stockinger, and Gemmill. 3,390,127.
Stockli, Johann, and A. W. Dall'Oglio. Means for facilitating the viewing of open-air spectacles from a motorcar. 3,374,-820. 3–26–68, Cl. 160—22.
Stocklin, Emilio. Remote control valve for heating installations. 3,400,906, 9–10–68, Cl. 251—11.
Stocklund, Sven E.: *See*—
Euglsang-Madsen, Erik, and Stocklund. 3,409,172.
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Robinson, Leslie B., Stephenson, Stockman, and Walker. 3,383,451.
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Stockman, William C., to Rettaw Enterprises, Inc. Gauge for use in setting forms. 3,386,175, 6–4–68, Cl. 33—174.
Stockmann, Hans H., and D. K. Ray Chaudhuri, to National Starch and Chemical Corp. Process and product of baked goods preparation. 3,388,996, 6–18–68, Cl. 99—91.
Stockton, Thomas R., to Ford Motor Co. Four-speed transmission and axle assembly. 3,386,314, 6–4–68, Cl. 74—759.
Stockton, Thomas R., to Ford Motor Co. Inertia locking differential and disc brake construction. 3,393,581, 7–23–68, Cl. 74—710.5.
Stockton, Thomas R., to Ford Motor Co. Positive drive traction differential with inertia disc. 3,396,609, 8–13–68, Cl. 74—711.
Stockwell, Elmer L. Hydraulic hoist control system. 3,364,-820, 1–23–68, Cl. 91—171.
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Stockwell, Elmer L. 3,412,882.
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Stoddard, Edgar S. Filtering system and filter structure. 3,408,794, 11–5–68, Cl. 55—282.
Stoddard, Frank J.: *See*—
Hertzberg, Abraham, Stoddard, and Weatherston. 3,367,-563.
Stoddard, Frank J., J. G. Hall, and A. Hertzberg, to Cornell Aeronautical Laboratory, Inc. Isentropic compression tube. 3,415,442, 12–10–68, Cl. 230—54.
Stoddard, Glenn G.: *See*—
Stoddard, Glenn G. 3,419,012.
Stoddard, Glenn G., to G. G. Stoddard, S. M. Eisenberg, and F. Marciniak. Clamping device. 3,419,012, 12–31–68, Cl. 129—35.
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Stoeckel, Albert L., and W. H. Stokes, to United States Steel Corp. Method and apparatus for making studded strands. 3,370,620, 2-27-68, Cl. 140—67.

Stoeckel, Henry, to Veb Dkk Scharfenstein. Motion transmitting arrangement. 3,368,745, 2-13-68, Cl. 230—214.

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Stoffel, Robert W., to Jim Robbins Seat Belt Co. Automatic locking rotary retracting device. 3,416,747, 12-17-68, Cl. 242—107.4.

Stoffel, Robert W., J. S. Janusz, and R. C. Pace, to United States of America, Air Force. Nan circuit. 3,387,142, 6-4-68, Cl. 307—215.

Stoffels, Robert E., H. C. Talcott, D. P. Erdmann, J. M. Luce, and E. P. Crabbe, to Automatic Electric Laboratories, Inc. Data transmission system. Re. 26,396, 6-4-68, Cl. 178—3.

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Stohr, Walter, to Siemens Aktiengesellschaft. Broadband ellipsoidal dipole antenna. 3,364,491, 1-16-68, Cl. 343—807.

Stoi, Walter T., to Boyne Products, Inc. Apparatus for operating progressive direction signaling devices. 3,397,294, 8-13-68, Cl. 200—61.3.

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Stoilov, Georgi K., to Nautshno-Izsledovatelski I Proektno-Konstuiktorski Institut Po Elektrokari I Motokari. Lifting means construction. 3,362,503, 1-9-68, Cl. 187—9.

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Stoll, Russell F., A. B. Reed, and W. A. Wojak, to Daniel Woodhead Co. Three prong circuit tested for electrical outlet sockets including a frame means formed with adjacent chambers for housing visual indicators. 3,383,588, 5-14-68, Cl. 324—51.

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Stolz, Eberhard. Container handle attachment. 3,415,415, 12-10-68, Cl. 220—91.

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Stolz, Walter A., deceased (by M. A. L. Stolz, administratrix), J. M. Krafft, and F. W. Bird. Device for measuring stress-strain curve. 3,397,572, 8-20-68, Cl. 73—94.

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Stone, Joseph K., to Kaiser Industries Corp. Process for producing aggregate containing oxygen steel process dust. 3,374,085, 3–19–68, Cl. 75—3.

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Stone, Orison W., to R. A. Jones and Co., Inc. Display carton. 3,378,137, 4–16–68, Cl. 206—45.14.

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Stone, Orison W., to Stecher-Traung-Schmidt Corp. Carton locking cover. 3,404,829, 10–8–68, Cl. 229—44.

Stone, Orison W., to R. A. Jones & Co., Inc. Shadow box carton having article support. 3,419,133, 12–31–68, Cl. 206—45.14.

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Stookey, Kenneth W. Heat exchange apparatus. 3,387,836, 6–11–68, Cl. 263—20.

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Stork, Gilbert, and K. Matsuda, to American Cyanamid Co. Preparation of benzocoronene and intermediates. 3,364,275, 1–16–68, Cl. 260—668.

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Stout, Gilbert T., to The Bendix Corp. Disc element construction for disc brake. 3,403,758, 10–1–68, Cl. 188—218.

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Stout, Rodney W.: *See*—
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Edwards, James W., Mays, and Stout. 3,390,757.

Stout, William H. Telegraph single key. 3,387,088, 6–4–68, Cl. 178—108.

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Stoy, Artur and V. Method for continuous polymerization and copolymerization of acrylonitrile in concentrated aqueous inorganic salt solutions. 3,397,262, 8–13–68, Cl. 264—182.

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Straley, James M., J. G. Fisher, and R. R. Giles, to Eastman Kodak Co. 1-amino-2-aminoalkoxy-4-(substituted sulfonamido)-anthraquinones and their quaternary salts. 3,391,164, 7-2-68, Cl. 260—373.
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Strandberg, Charles F., Jr. and R. C. 3,391,788.
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Strange, Lloyd K., to Mobil Oil Corp. In situ combustion process utilizing waste heat. 3,379,248, 4-23-68, Cl. 166—11.
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Stratton, Robert A., and F. Wach. Gastro-intestinal tube with inflatable weight releasing means. 3,395,710, 8-6-68, Cl. 128—350.
Stratynski, Eugene E., to The Dole Valve Co. Dual function thermal vacuum valve. 3,383,041, 5-14-68, Cl. 236—86.
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Strauss, Walter L. Cap shooting airplane. 3,400,486, 9–10–68, Cl. 46—176.
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Stubbmann, Albert, to Kohner Bros., Inc. Acrobatic toy. 3,410,024, 11-12-68, Cl. 46—133.

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Stubbmann, Albert, and F. Kohner, to Kohner Bros., Inc. Peg leveling game. 3,375,009, 3-26-68, Cl. 273—156.

Stubbs, Frank F. Ankle support. 3,407,811, 10-29-68, Cl. 128—166.

Stubbs, Reagh A., to Statham Instruments, Inc. Signal amplifying circuits. 3,414,834, 12-3-68, Cl. 330—69.

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Stuber, Carl D., to United States of America, Air Force. Alumina-boron fiber composite material. 3,384,578, 5-21-68, Cl. 252—12.

Stubley, Philip H., to Atomic Energy of Canada Ltd. Floating absorber shutoff device for nuclear reactor. 3,375,170, 3-26-68, Cl. 176—35.

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Stucky, Fritz C., and R. Meuli. Prefabricated building units including prestressed floor panels with upstanding end members connected by tension means. 3,377,755, 4-16-68, Cl. 52—79.

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Brosene, William G., Jr. 3,397,015.
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Studen, Charles E. Method of making drinking utensil jacket. 3,374,298, 3-19-68, Cl. 264—41.

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Fesco, John J. 3,370,406.
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Stuffer, Rowen. Efficient nitrogen trap. 3,416,326, 12-17-68, Cl. 62—55.5.

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Stull, Keefer S., Jr., to United States of America, Navy. High accuracy instantaneous intermediate frequency logarithmic amplifier. 3,403,347, 9-24-68, Cl. 329—145.

Stull, Morton B. Dispensing screw-type closure cap. 3,370,764, 2-27-68, Cl. 222—499.

Stull, Morton B. Reclosable dispensing cap. 3,406,879, 10-22-68, Cl. 222—499.

Stull, Morton B. Dispensing closure cap. 3,406,880, 10-22-68, Cl. 222—521.

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Stump, Eugen, and G.-J. Frankle, to Suddeutsche Kuhlerfabrik Julius Fr. Behr. Liquid fuel heater for motor vehicle. 3,413,968, 12-3-68, Cl. 126—116.

Stump, Paul W., to Cleveland Container Corp. Multiple ply spiral wound container. 3,366,493, 1-30-68, Cl. 99—172.

Stump, Paul W., to Cleveland Container Corp. Composite container. 3,385,503, 5-28-68, Cl. 229—15.

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Stumpf, Walter, and H.-J. Korth, to Chemische Werke Huls Aktiengesellschaft. Process for the preparation of polycondensation products. 3,392,152, 7-9-68, Cl. 260—77.5.

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Sturm, Heinrich R., to Telefonaktiebolaget L M Ericsson. Output amplifier stage for converting symmetrical signals to unsymmetrical signals with respect to a reference potential. 3,386,044, 5–28–68, Cl. 330—14.
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Sturm, Johann: *See*—
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Sturm, Karl, R. Geiger, W. Siedel, and F. Starey, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Sulfamyl aniline derivatives. 3,379,735, 4–23–68, Cl. 260—340.5.
Sturm, Karl, W. Siedel, and R. Weyer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Sulfamylanthranilic acid amides and process for preparing them. 3,417,080, 12–17–68, Cl. 260—239.6.
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Turnblade, Richard C., and Sturman. 3,407,626.
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Stutz, Otto T., to Heberlein Patent Corp. Elastic yarn process and product. 3,396,529, 8–13–68, Cl. 57—140.
Stutz, Robert E., to Chapman Chemical Co. Wood preservative grease composition. 3,376,144, 4–2–68, Cl. 106—15.
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Stutz, Theo, to Contraves A.G. Arrangement for counting signals of specific significance. 3,408,484, 10–29–68, Cl. 235—92.
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Sublett, Bobby J., and C. H. Sloan, to Eastman Kodak Co. Paper filter of selective removal of a cigarette smoke vapor. 3,403,689. 10–1–68, Cl. 131—265.
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Sugerman, Gerald, and J. Kollar, to Halcon International Inc. Preparation of hydroxycarboxylic acids and derivatives thereof. 3,405,174, 10–8–68, Cl. 260—535.
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Suzuki, Hiroshi, to Tokyo Shibaura Denki Kabushiki Kaisha. Packing devices for electric fans. 3,414,121, 12–3–68, Cl. 206—46.

Suzuki, Kazu, to Yokogawa-Hewlett-Packard, Ltd. Slide rheostat having linearity adjustment. 3,377,603, 4–9–68, Cl. 338—121.

Suzuki, Keiji, M. Inatsu, and T. Iwasawa, to Japan Broadcasting Corp. Slow motion reproduction of transversely recorded television signals. 3,395,248, 7–30–68, Cl. 178—6.6.

Suzuki, Kikuji: *See*—
Okuda, Noriyuki, and Suzuki. 3,368,868.

Suzuki, Masaaki: *See*—
Hosokawa, Kenjiro, Kojima, Mori, and Suzuki. 3,399,186.

Suzuki, Michio, and S. Tauchi, to Hitachi, Ltd. Method for manufacturing at least one electrically isolated region of a semiconductive material. 3,372,063, 3–5–68, Cl. 148—1.5.

Suzuki, Nobuo: *See*—
Ichikawa, Yataro, Suzuki, and Tokashiki. 3,364,256.

Suzuki, Osamu, M. Takahashi, T. Fukunaga, and J. Kuboyama; to Trurumi Soda Co. Ltd. Novel cobalt oxide and an electrode having the cobalt oxide coating. 3,399,966, 9–3–68, Cl. 23—183.

Suzuki, Saburo, to Nihon Yushutsu Denkyu Kyodo Kumai and ½ to Super Denki Kabushiki Kaisha. Holding means for miniature bulbs. 3,396,363. 8–6–68, Cl. 339—145.

Suzuki, Seiji: *See*—
Komachiya, Yoshioki, Suzuki, and Sakurai. 3,419,551.

Suzuki, Sohei: *See*—
Kiuchi, Atsushi. 3,379,220.

Suzuki, Takahiro: *See*—
Tanaka, Tomiyuki, Suzuki, and Kosugi. 3,385,926.

Suzuki, Takeo: *See*—
Kinoshita, Shukuo, Kawamori, Mizuhara, Miyamura, and Suzuki. 3,389,058.
Mise, Tadashi, and Suzuki. 3,371,492.

Suzuki, Teruhiko, M. Kameishi, and K. Yamamoto, to Asahi Kasei Kogyo Kabushiki Kaisha. Apparatus for spot welding a plurality of metal plates by detonation of an explosive. 3,377,010, 4–9–68, Cl. 228—3.

Suzuki, Tom J. Protector for safety razor. 3,396,466, 8–13–68, Cl. 30—90.

Suzuki, Yasuo: *See*—
Fukuda, Junichi, Masamune, Suzuki, and Okabe. 3,400,168.
Masamune, Shinobu, Suzuki, Okabe, Sagara, and Sagami. 3,402,214.
Miloshiba, Tomoyoshi, Hori, Ishizawa, and Suzuki. 3,399,125.
Yoshizawa, Heiji, Suzuki, and Watanabe. 3,407,682.

Suzuki, Yoshihisa: *See*—
Hirahara, Tsuneo, Tsukada, Suzuki, and Nakamura. 3,382,231.

Suzuki, Yoshihisa, to Kabushiki Kaisha Hitachi Seisakusho. Carrier phase selection type semiconductor device for oscillation and amplification of microwaves. 3,398,301, 8–20–68, Cl. 307—299.

Suzuki, Yoshihisa, to Hitachi, Ltd. Periodic permanent magnet focusing system for electron discharge devices. 3,401,295, 9–10–68, Cl. 313—84.

Svanholm, Gert, to Novo Terapeutisk Laboratorium A/S. Purification of amphoteric and basic antibiotics. 3,376,339, 4–2–68, Cl. 260—559.

Svaty, Vladimir, and J. Bilek, to Elitex Zavody Textilniho Strojirenstvi. Thread dispensing apparatus. 3,370,618, 2–27–68, Cl. 139—122.

Svec, Jarslov L., to St. John & Co. Homogenizer. 3,378,234, 4–16–68, Cl. 259—4.

Svec, Zdenek: *See*—
Doudlebsky, Ctibor, Svec, Nemec, Kabele, Vecera, and Srsen. 3,360,918.

Svedberg, Per, to Allmanna Svenska Electriska Aktiebolaget. Optically coupled semi-conductor reactifier with increased blocking voltage. 3,366,793, 1–30–68, Cl. 250—211.

Svedberg, Per, and E. Spicar, to Allmanna Svenska Elektriska Aktiebolaget. Semi-conductor device with increased reverse and forward blocking voltages. 3,405,332, 10–8–68, Cl. 317—235.

Svedberg, Per C. J., to Almänna Svenska Elektriska Aktiebolaget. Semiconductor devices. Re. 26,428, 7–16–68, Cl. 148—33.1.

Svedia Dental-Industri AB: *See*—
Agren Bengt A. 3,381,668.

Svelto, Vito: *See*—
Gatti, Emilio, Svelto, and Cottini. 3,386,090.

Svendsen, Konrad S., to Combustion Engineering, Inc. Drum support for steam boiler. 3,410,253, 11–12–68, Cl. 122—510.

Svendsen, Konrad S., and W. W. Schroedter, to Combustion Engineering, Inc. Vapor generator construction. 3,368,535, 2–13–68, Cl. 122—510.

Svendsen, Noel A., R. Sawdo, and R. Varteresian, to Zalkind Sewing Machine & Supply Co., Inc. Cutting attachment for a sewing machine and control mechanism therefor. 3,418,954, 12–31–68, Cl. 112—252.

Svendsen, Walter W., to Odgers Drilling Inc. Drill head retract mechanism. 3,401,756, 9–17–68, Cl. 173—44.

Svenska Aktiebolaget Bromsregulator: *See*—
Bernhard, Bo B., and Kihlberg. 3,416,062.
Svensson, Sten-Eric. 3,392,810.

Svenska Carbon Black Aktiebolag: *See*—
Malmstrom, Lennart H., and C. O. 3,384,161.
Malmstrom, Lennart H., and C. O. 3,410,335.
Malmstrom, Lennart H. and C. O. 3,411,885.

Svenska Cellulosa Aktiebolaget: *See*—
Bohlin, Karl G., Gustafsson, Johnsson, and Strombeck. 3,413,027.

Svenska Dataregister AB.: *See*—
Englund, Gosta R., and Mattsson. 3,362,631.
Englund, Gosta R., and Mattsson. 3,366,323.
Sundblad, Gunnar E. 3,417,234.

Svenska Diamantbergborrnings Aktiebolaget: *See*—
Tegholm, Ruben V. 3,401,399.

Svenska Flaktfabriken Aktiebolaget: *See*—
Larkfeldt, Birger, and Rosenberg. 3,391,756.
Wilhelmsson, Gunnar. 3,391,630.

Svenska Rotor Maskiner Aktiebolag: *See*—
Mock, Karl H. 3,404,727.
Nyberg, Ake L. 3,373,797.
Oldehaver, Klaus. 3,416,596.
Pilo, Claes-Wilhelm. 3,415,501.
Veser, Kurt, and Mock. 3,374,829.

Svenska Sockerfabriks Aktiebolaget: *See*—
Birch-Iensen, Ake H. G. 3,381,633.

Svensson, Anders: *See*—
Larkfeldt, Birger, and Svensson. 3,389,649.

Svensson, Erik P. V., and U. Nyberg, to Kgl Luftfartsstyrelsen. Take-off and landing light units for airfield runways. 3,369,111, 2–13–68, Cl. 240—1.2.

Svensson, Ernst S. L.: *See*—
Klingofstrom, Svante, and Svensson. 3,400,523.
Svensson, Karl G. Heat-sensitive transfer sheet for producing a thermographic facsimile copy. 3,389,011, 6–18–68, Cl. 117—36.1.
Svensson, Klas J. V.: *See*—
Axelsson, Sten S., and Svensson. 3,405,703.
Svensson, Nils V., to Gotaverken, Aktiebolaget. Workshop. 3,400,832. 9–10–68, Cl. 212—1.
Svensson, Sten-Eric, to Svenska Aktiebolaget Bromsregulator. Automatic slack adjusters for vehicle brake linkages. 3,392,-810. 7–16–68, Cl. 188—196.
Svensson, Stern O.: *See*—
Wennberg, Olov C. G., Forsberg, and Svensson. 3,410,-387.
Svensson, Stig A. G., to Alfa-Laval AB. Pulsator for pneumatic pipelines. 3,364,946, 1–23–68, Cl. 137—624.13.
Svensson, Stig O. S. H., to Stal-Laval Turbin AB. Apparatus for operating propellers. 3,391,745. 7–9–68. Cl. 170—135.2.
Svensson, Torbjorn, to Alimak-Verken AB. Catch apparatus for the cages of scaffold elevators and the like. 3,415,343, 12–10–68, Cl. 187—19.
Svereika, Edward: *See*—
Everett, Charles V., and Svereika. 3,381,800.
Pool, Stuart D., and Svereika. 3,398,470.
Pool, Stuart D., Svereika, and Thayer. 3,401,512.
Rickerd, Calvin P., and Svereika. 3,385,235.
Svetlik, Joseph F.: *See*—
Ross, Edward F., and Svetlik. 3,417,044.
Svford, Earl, 30% to W. E. Ellis, and 19% to T. Singleton. Refuse receptacle. 3,388,856, 6–18–68, Cl. 232—43.1.
Sviluppo Silicalcite S.p.A.: *See*—
Noe, Luigi. 3,411,724.
Svobida, Loren. Automatic divider. 3,416,640, 12–17–68, Cl. 198—31.
Svoboda, Glenn R., to Freeman Chemical Corp. Storageable, polymerizable compositions containing 2-hydroxyalkyl esters of ethylenically unsaturated carboxylic acids and process of preparing the same. 3,373,188, 3–12–68, Cl. 260—486.
Svoboda, Gordon H., to Eli Lilly and Co. Leurosine. 3,370,057, 2–20–68, Cl. 260—236.
Svrchek, Joseph G. Method for applying heat reactive coatings. 3,369,922, 2–20–68, Cl. 117—47.
Svyadosch, Jury N., J. P. Lazarev, and M. A. Melnichenko, to Ust-Kamenogorsky Svintsovo-Tsinkovy Kombinat imeni V.I. Lenina. Reactor for hydrometallurgical processes. 3,395,907, 8–6–68, Cl. 266—12.
Swaco, Inc.: *See*—
Griffin, Phil H., III, and Melton. 3,363,404.
Lindsey, Larry M. 3,362,487.
Swaim, Frank H., to United States of America, Navy. Vacuum activated, magnetic drive switch. 3,379,840, 4–23–68, Cl. 200—81.
Swaim, Frank H., to United States of America, Navy. Air responsive delay arming device. 3,382,805, 5–14–68, Cl. 102—81.2.
Swain, Arthur B., and H. R. Keshari, to Owens-Illinois, Inc. Glass composition and method. 3,364,042, 1–16–68, Cl. 106—52.
Swain, Arthur B., Jr., and H. R. Keshari, to Owens-Illinois, Inc. Glass composition and method. 3,364,041, 1–16–68, Cl. 106—52.
Swain, James C.: *See*—
Crooks, Ralph K., Hardenbrook, Leis, Swain, and Thomas. 3,381,485.
Mitchell, Robert K., Swain, Thomas, and Wilcox. 3,407,-742.
Swain, James E., and J. B. Truher, to United States of America, Atomic Energy Commission. Ion beam generator having laser-activated ion source. 3,406,349, 10–15–68, Cl. 328—233.
Swain, Pervis A.: *See*—
Granzow, Daniel B., Gawron, Graff, and Swain. 3,397,628.
Swain, Ralph R., to Bailey Meter Co. Blast furnace injection fuel control. 3,368,804. 2–13–68, Cl. 266—30.
Swain, Robert E., to National Tea Co. Owner identifying indicia for wire portable carriers and method of applying. 3,402,497, 9–24–68, Cl. 40—308.
Swain, William H. Overload protector for electrical current supply including a solid state breaker with improved sequencing logic combined with or without a combined electromechanical breaker. 3,369,154. 2–13–68, Cl. 317—2.
Swaine, Derek, to Sylvania Electric Products Inc. Control apparatus for color television receivers. 3,419,673, 12–31–68, Cl. 178—5.4.
Swaine, Derik, and R. C. Wheeler, to Sylvania Electric Products Inc. Adjustable focus voltage control circuit. 3,401,301, 9–10–68, Cl. 315—31.
Swakon, Edward A., to Standard Oil Co. Process for purifying hydrogen and preparing carbonyl sulfide. 3,382,043, 5–7–68. Cl. 23—210.
Swakon, Edward A., to Standard Oil Co. Method of preparing symmetrical ureas from amine salts of monothiolcarbamic acid and ammonia or primary amine. 3,392,197, 7–9–68. Cl. 260—553.
Swales, Bernard V., Jr., to Stretch Yarns Inc. Elasticized yarn and method of making same. 3,375,655, 4–2–68, Cl. 57—140.
Swales, Peter D.: *See*—
Wren, Brian V., Barratt, Swales, and Lawson. 3,382,085.
Swallert, Sven A. Device for moving a working apparatus on a support surface. 3,409,854, 11–5–68, Cl. 335—289.
Swallow, Douglas M., to Southwestern Engineering Co. Self-cleaning screen structure for vibratory separators. 3,366,-239, 1–30–68, Cl. 209—332.
Swallow, Ian H., to British Nylon Spinners Ltd. Yarn winding mechanism. 3,373,949, 3–19–68, Cl. 242—43.
Swallow, John E., to Minister of Aviation, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Process for treating polyamide materials. 3,373,055, 3–12–68, Cl. 117—138.5.
Swallow, Robert E., and C. E. Panlaqui, to United States of America, Navy. Fuze. 3,382,803, 5–14–68, Cl. 107—70.
Swamer, Frederick W.: *See*—
Hummel, Donald G., and Swamer. 3,397,248.
Swamy, Anantha, and R. Thiemann, to International Standard Electric Corp. Method for the surface treatment of semiconductor devices. 3,409,979, 11–12–68, Cl. 29—578.
Swamy, Venkat K., to Clark Equipment Co. Air supported material handling device with vibration preventing means. 3,392,800, 7–16–68, Cl. 180—125.
Swan Corp.: *See*—
Moore, John W. 3,390,407.
Swan, Donald G.: *See*—
Mattimoe, George E., Stehn, and Swan. 3,377,775.
Swan, George B. Method of webbing a newspaper printing press. 3,395,639, 8–6–68, Cl. 101—426.
Swan Hunter Group Ltd.: *See*—
Taylor, Frederick. 3,416,481.
Swan, Reyer, and F. A. Bowman, to Hampshire Mfg. Corp. Footwear and adhesive means therefor. 3,362,036, 1–9–68, Cl. 12—142.
Swan, Robert F.: *See*—
Stasz, Clarence J., and Swan. 3,380,658.
Swanby, Victor S. Side-loading moving van. 3,416,836, 12–17–68, Cl. 296—148.
Swander, Kenneth D., to Certain-Teed Products Corp. Add-on brake actuator with mechanical release feature. 3,411,-417, 11–19–68, Cl. 92—63.
Swane, Albertus A., to N.V. Maatschappij tot Exploiteren van Octrooien en Licenties "Matepa." Transport case, especially a stacking container. 3,406,893, 10–22–68, Cl. 229—49.
Swanke, Roy L., to Dynamics Corp. of America. Motor mount. 3,371,236, 2–27–68, Cl. 310—89.
Swanke, Roy L., to Dynamics Corp. of America. Stator structure for dynamo-electric machines. 3,378,711, 4–16–68, Cl. 310—260.
Swann, Carter H., to General Electric Co. Programming device. 3,373,267, 3–12–68, Cl. 235—92.
Swann, David T. Walking aid appliances. 3,387,618, 6–11–68, Cl. 135—45.
Swann, David T. Combination stretcher, table, chair combination. 3,413,663, 12–3–68, Cl. 5—81.
Swann, Harry G., to Samuel Griffiths (Willenhall) Ltd. Mechanism for imparting intermittent rotary motion to a shaft. 3,392,592. 7–16–68, Cl. 74—44.
Swannick, John M., to United States of America, Army. Electronic combination lock system. 3,410,046, 11–12–68, Cl. 317—134.
Swanquist, Wesley W., to All-Steel Equipment, Inc. Electrical box mounting clip for use with metal studs. 3,376,005, 4–2–68, Cl. 248—223.
Swanson, Andrew A. A. Inlet fitting for drain tiles. 3,385,442. 5–28–68, Cl. 210—163.
Swanson, Arthur, to Poole Foundry & Machine Co. Flexible coupling. 3,415,080, 12–10–68, Cl. 64—9.
Swanson, Arthur H., and J. A. Stark. Cooking utensil. 3,363,542. 1–16–68. Cl. 99—419.
Swanson, Arthur M., and D. J. Fenske, to A. M. Swanson. Flour aggregation process. 3,408,204, 10–29–68, Cl. 99—93.
Swanson, Bernard H. Shell reloader. 3,376,781, 4–9–68, Cl. 86—25.
Swanson, Betty F., to Rayette-Faberge, Inc. Hair bleaching composition. 3,378,444, 4–16–68, Cl. 167—88.
Swanson, Charles L.: *See*—
Meller, Floyd H., and Swanson. 3,418,952.
Swanson, Charles W., to Carmic Mfg. Co., Inc. Portable toilet unit. 3,366,976, 2–6–68, Cl. 4—144.
Swanson, Clifford O., and R. J. Cohen, to General Precision Inc. Compact, single-degree-of-freedom gyro. 3,362,232. 1–9–68, Cl. 74—5.6.
Swanson, Donald F., and W. G. Winkler, to Whirlpool Corp. Apparatus for storing and preserving perishable plant and animal materials. 3,388,828, 6–18–68, Cl. 220—24.
Swanson, Donald L., to Northrop Corp. Fuze initiated by spin rate decrease. 3,375,787, 4–2–68, Cl. 102—79.
Swanson, Eric D., to United States of America, Navy. Torpedo drag reduction apparatus. 3,382,832, 5–14–68, Cl. 114—20.
Swanson-Erie Corp.: *See*—
Lewis, James W. 3,405,800.
Swanson, Eugene S., and R. A. Newton, to Rockford Machine Tool Co. Shifter for toothed drive member. 3,393,782, 7–23–68, Cl. 192—67.
Swanson, Gunnar E., to The Nielsen Hardware Corp. Catch unit for packing case or the like. 3,384,402, 5–21–68, Cl. 292—113.
Swanson, James P., to Twin Disc Clutch Co. Actuating system for multi-ratio transmission. 3,417,845, 12–24–68, Cl. 192—87.19.

Swanson, John R.: *See*—
Cooper, David, and Swanson. 3,408,513.
Swanson, Kenneth H. Dental articulator. 3,387,369, 6–11–68, Cl. 32—32.
Swanson, Kenneth M., to United Kingdom Atomic Energy Authority. Nuclear reactor fuel elements. 3,409,503, 11–5–68, Cl. 176—68.
Swanson, Kenneth M., to United Kingdom Atomic Energy Authority. Nuclear reactor fuel elements. 3,414,474, 12–3–68, Cl. 176—68.
Swanson, Kenneth M., and J. A. Gatley, to United Kingdom Atomic Energy Authority. Tubular nuclear fuel rods. 3,365,372, 1–23–68, Cl. 176—68.
Swanson, Kenneth P., to Progressive Engineering, Inc. Magnetic top roll mounting system. 3,395,427, 8–6–68, Cl. 19—272.
Swanson, Lynwood W.: *See*—
Charbonnier, Francis M., Martin, and Swanson. 3,374,386.
Swanson, Michael L.: *See*—
Oehme, Frank F., and Swanson. 3,412,605.
Swanson, Morton C. Operating shaft indicators for crop harvesting machines. 3,368,214, 2–6–68, Cl. 340—271.
Swanson, Raymond W. Digger tooth with replaceable point. 3,371,436, 3–5–68, Cl. 37—142.
Swanson, Reinold E., to Davol, Inc. Balloon catheter having an integral self-sealing inflation valve. 3,409,015, 11–5–68, Cl. 128—349.
Swanson, Richard H.: *See*—
Dedricks, Alvin N., and Swanson. 3,407,621.
Swanson, Richard H., to Kelvinator, Inc. Container clamping assembly. 3,411,658, 11–19–68, Cl. 220—15.
Swanson, Robert C., to Teletype Corp. Relay flip-flop. 3,374,401, 3–19–68, Cl. 317—140.
Swanson, Roger C., to The B. F. Goodrich Co. Vibration damped railway wheel. 3,377,097, 4–9–68, Cl. 295—7.
Swanson, Ronald R.: *See*—
Agers, Donnell W., and Swanson. 3,415,616.
Swanson, Walter S., and R. S. Shelden, to Sundstrand Corp. Profile milling method. 3,412,643, 11–26–68, Cl. 90—13.
Swanson, Wesley R.: *See*—
Anderson, Ernest O., and Swanson. 3,368,669.
Swanson, Wilbur L. Pilot for flush valve and means to attach the same. 3,383,711, 5–21–68, Cl. 4—56.
Swanson, Wilford A. Kitchen sink rotary appliance. 3,417,799, 12–24–68, Cl. 146—50.
Swanson, William C.: *See*—
Moyer, Donald W., Swanson, and Lam. 3,395,771.
Swanson, William C., to International Harvester Co. Orifice adjusting mechanism. 3,389,556, 6–25–68, Cl. 60—53.
Swanson, William C., J. S. Lam, and D. W. Moyer, to International Harvester Co. Hydrostatic system charging and bypass valve means. 3,360,933, 1–2–68, Cl. 60—53.
Swanson, William C., and M. D. Jennings, to International Harvester Co. Hydrostatic transmission drive pump swash plate control. 3,370,424, 2–27–68, Cl. 60—53.
Swanson, William C., D. W. Moyer, and R. W. Asmus, to International Harvester Co. Mechanical feathering control and automatic overspeed control for a hydrostatic transmission. 3,398,531, 8–27–68, Cl. 60—53.
Swanstrom, John E., Sr., to Diamond Tool and Horseshoe Co. Hand tool. 3,404,457, 10–8–68, Cl. 30—267.
Swanton, Walter F., to Ritter Pfaudler Corp. Slurry pump. 3,410,222, 11–12–68, Cl. 103—240.
Swarbrick, John. Animated display device. 3,370,371, 2–27–68, Cl. 40—137.
Swarbrick, Justin H., to Molins Machine Co. Ltd. Chucks. 3,392,985, 7–16–68, Cl. 279—4.
Swarfsky, Walter, to Voigtlander A.G. Light exposure meter with angularly adjustable light conducting means for varying the angle of light acceptance. 3,406,294, 10–15–68, Cl. 250—237.
Swart, Gilbert H., to The General Tire and Rubber Co. Rubber base composite propellant and method of use. 3,400,539, 9–10–68, Cl. 60—219.
Swart, Robert: *See*—
Weller, Barton L., Swart, and Caires. 3,394,386.
Swart, Robert, and I. Berlin, to Vitramon, Inc. Solid-state electrical component combining multiple capacitors with other kinds of impedance. 3,398,326, 8–20–68, Cl. 317—161.
Swartley, Richard H.: *See*—
Large, David J., and Swartley. 3,412,341.
Swartout, Edward. Ball throwing machine having two rotatable discs with converging and diverging interstices. 3,399,660, 9–3–68, Cl. 124—6.
Swarts, Richard E., and B. V. Tiblin, to Sperry Rand Corp. Gyro vertical erecting means. 3,371,542, 3–5–68, Cl. 74—5.47.
Swartwood, Ira T., and W. C. Jennings. Plastic bottle. 3,412,887, 11–26–68, Cl. 215—100.
Swartwout, Charles J. and D. K., and A. M. Lepley, to Motorola, Inc. Electronic process control system. 3,387,266, 6–4–68, Cl. 340—150.
Swartwout, Denton K.: *See*—
Swartwout, Charles J. and D. K., and Lepley. 3,387,266.
Swartz, Byron E.: *See*—
Rampel, Robert C., Swartz, Packard, and Rorden. 3,382,452.
Swartz, Clarence. Railroad air hose connection. 3,375,849, 4–2–68, Cl. 137—349.
Swartz, Elmer L., to United States of America, Army. Fluid logic element. 3,366,131, 1–30–68, Cl. 137—81.5.
Swartz, Elmer L., to United States of America, Army. Flueric binary adder. 3,380,655, 4–30–68, Cl. 235—201.
Swartz, George A.: *See*—
Napoli, Louis S., and Swartz. 3,378,723.
Swartz, Harry: *See*—
Weese, Wilfred W. 3,409,050.
Swartz, Paul S., to General Electric Co. Superconductive shield. 3,378,691, 4–16–68, Cl. 307—91.
Swartz, Thomas L., to The Timken Roller Bearing Co. Assembly tool for side frame bearing keys. 3,382,560, 5–14–68, Cl. 29—267.
Swartz, Wendell H. Cigarette server. 3,419,178, 12–31–68, Cl. 220—36.
Swearingen Aircraft: *See*—
Swearingen, Edward J. 3,386,758.
Swearingen, Edward J., to Swearingen Aircraft. Aircraft latch assembly. 3,386,758, 6–4–68, Cl. 292—53.
Swearingen, Judson S. Shaft seal employing seal gas with means for indicating proper flow thereof. 3,375,015, 3–26–68, Cl. 277—3.
Swearingen, Judson S. Anticavitational rotational power absorber and bearing lubrication system therefor. 3,375,903, 4–2–68, Cl. 184—6.
Swearingen, Judson S. Liquefaction of a gaseous mixture employing work expanded gaseous mixture as refrigerant. 3,416,324, 12–17–68, Cl. 62—23.
Swearingen, Judson S. Method of and apparatus for prewarming a lubricated shaft seal assembly. 3,416,633, 12–17–68, Cl. 184—1.
Swearingen, Judson S. Method and apparatus for removing vapors from gaseous mixtures by freezing. 3,418,820, 12–31–68, Cl. 62—12.
Sweda, Edward R.: *See*—
Pellegrino, Frank. 3,379,401.
Swede, Harald G., to AB Tetra Pak. Press jaw system. 3,410,201, 11–12–68, Cl. 100—264.
Sweden Freezer Mfg. Co.: *See*—
Patch, Robert S. 3,362,673.
Swedish Rail System AB-S.R.S.: *See*—
Olson, Erik. 3,368,759.
Olson, Per E. 3,369,753.
Swedlow Inc.: *See*—
Hardesty, Etheridge E. 3,391,873.
Hellsund, Olof H. 3,371,383.
Opel, Charles J., and Bottoms. 3,376,371.
Swedlund, Lloyd E., to Tektronix, Inc. High contrast fluorescent screen having spaced phosphor layer and method of manufacture. 3,361,270, 1–2–68, Cl. 313—92.
Sweeney, B. K., Mfg. Co.: *See*—
Able, Edward T. 3,384,747.
Able, Edward T., Blackwell, and Steele. 3,386,031.
Sweeney, Charles: *See*—
Guba, Peter, and Sweeney. 3,398,900.
Sweeney, Douglas E.: *See*—
Kruger, James B., Sweeney, and Le Page. 3,402,442.
Sweeney, George J., to Air Devices, Inc. Elongated rotatable parallel double jet diffuser. 3,361,049, 1–2–68, Cl. 98—40.
Sweeney, George J., to Air Devicea, Inc. Diffuser. 3,363,535, 1–16–68, Cl. 98—40.
Sweeney, George J., and R. R. Borzone, to Air Devices, Inc. Air diffusers. 3,364,839, 1–23–68, Cl. 98—40.
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Takayanagi, Kenjiro, and S., to Victor Co. of Japan, Ltd. Magnetic recording and reproduction of television signals. 3,418,424, 12–24–68, Cl. 178—6.6.

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Taub, David, R. D. Hoffsommer, Jr., and N. L. Wendler, to Merck & Co., Inc. Process of hydrolyzing 16β-alkyl-16α,17α-oxido 11,20-bis-oxygenated - 1,4 - pregnadiene - 3,20 - diones. 3,378,574, 4–16–68, Cl. 260—397.45.
Taub, David, and N. L. Wendler, to Merck & Co., Inc. Novel 16-alkylene steroids and processes. 3,418,316, 12–24–68, Cl. 260—239.5.
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Tausig, Martin S. Power supply controlled voltage current characteristics. 3,370,217, 2–20–68, Cl. 321—11.
Tauson, Richard A., and E. M. Williams, to United States of America, Army. Frequency determining crystal-video receiver system with analog readout. 3,384,825, 5–21–68, Cl. 325—332.
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Taylor, Frank F., to Bell Telephone Laboratories, Inc. Arrangement for defining the busy and idle states of the links of a switching network. 3,395,252, 7–30–68, Cl. 179—18.
Taylor, Frank L., to The Detroit Edison Co. Control system for electrical precipitators. 3,363,402, 1–16–68, Cl. 55—105.
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Taylor, Robert A. Safety adapter. 3,368,110, 2–6–68, Cl. 317—16.

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Taylor, Ruel E., Jr., to Scott Paper Co. Sensing skid shoe for caliper detectors. 3,403,447, 10–1–68, Cl. 33—148.

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Taylor, William F., and J. H. Sinfelt, to Esso Research and Engineering Co. Selective partial conversion of naphtha hydrocarbons to hydrogen. 3,394,086, 7–23–68, Cl. 252—373.

Taylor, William F., F. S. Pramuk, and B. N. Helmlich, to Esso Research and Engineering Co. Low-temperature, high-pressure, catalytic, partial conversion of naphtha hydrocarbons to hydrogen. 3,395,004, 7–30–68, Cl. 48—214.

Taylor, William F., and J. H. Sinfelt, to Esso Research and Engineering Co. Promoted catalyst used for town gas production. 3,395,104, 7–30–68, Cl. 252—466.

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Temple, Wilfred K., and D. A. Baker, to The Newall Engineering Co. Ltd. Machining apparatus for dressing devices. 3,411,491, 11–19–68, Cl. 125—11.
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Templeton, Leslie W.: *See*—
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Templeton, Raymond E. Means for converting a bicycle to a tricycle. 3,368,823, 2–13–68, Cl. 280—7.15.
Templeton, Robert A. S. Dehydration apparatus. 3,409,999, 11–12–68, Cl. 34—216.
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Templin, Philip R.: *See*—
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Tendler, Anton. Anchor bolts. 3,398,627, 8–27–68, Cl. 85—71.
Tendler, Jack. Accessory device for shoe heel and shoe construction embodying said device. 3,400,474, 9–10–68, Cl. 36—58.5.
Tendler, Moses D. Antibiotic anti-tumor agents and methods of producing same. 3,366,540, 1–30–68, Cl. 167—65.
Tenenbaum, Nathaniel D., to Westinghouse Electric Corp. Controlling network. 3,389,303, 6–18–68, Cl. 317—22.
Tenenbaum, Nathaniel D., and M. C. Hayden, to Westinghouse Electric Corp. Reclosing relay apparatus. 3,388,296, 6–11–68, Cl. 317—22.
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Tenkku, Wayland A., and F. Hribar, Jr., to Fluid Regulators Corp. Directional control and pressure regulating valve. 3,397,717, 8–20–68, Cl. 137—529.
Tenneco Chemicals, Inc.: *See*—
De Gaetano, Joseph F. 3,371,107.
Di Bella, Eugene P. 3,366,698.
Di Bella, Eugene P. 3,389,986.
Doyle, William C., Jr. 3,373,149.
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Girard, Theodore A. 3,371,063.
Girard, Theodore A. 3,375,096.
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Gradsten, Marcel A. 3,411,895.
Kraft, William M., and Janusz. 3,413,248.
McDavid, William D. 3,390,046.
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Scullin, James P., and Fletcher. 3,390,112.
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Tenniswood, David M., to Ford Motors Co. Wheel toe control for independent rear suspension. 3,417,835, 12–24–68, Cl. 180—73.
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Teodor, Danila, P. Titus, and Z. Gheorghe. Arrangement for reducing locally generated radio frequency interference. 3,399,325, 8–27–68, Cl. 315—27.
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Teranishi, Akihiko, to Kabushiki Kaisha Teranishi Denki Seisakusho. Motor operated massaging vibrator with means for directing air. 3,370,583, 2–27–68, Cl. 128—24.1.
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Terriza, Jeronimo. One piece wire can opener. 3,370,743, 2-27-68, Cl. 220—48.

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Terry, Cyrl W., to United States of America, Navy. Electronics cabinet with fire extinguishing apparatus. 3,403,733, 10-1-68, Cl. 169—2.

Terry, Cyrl W., to United States of America, Navy. Portable shear test device. 3,406,567, 10-22-68, Cl. 73—101.

Terry, Jack H., H. N. Johnston, R. W. Jones, and H. O. Schoen, to Xerox Corp. Imaging material. 3,406,137, 10-15-68, Cl. 260—28.5.

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Terry, Samuel M., to Hoover Ball and Bearing Co. Polyurethane foam product and method of making same. 3,401,128, 9-10-68, Cl. 260—2.5.

Terry, Sydney L. Locking means. 3,406,731, 10-22-68, Cl. 151—30.

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Terry, William M., to Esso Production Research Co. Well completion apparatus. 3,394,767, 7-30-68, Cl. 175—4.52.

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Terzian, Berj A. Oven with automatic air curtain means. 3,387,600, 6-11-68, Cl. 126—21.

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Testa, Anthony J., to W. R. Grace & Co. Gasket-forming plastisols comprising vinyl chloride resin fatty acid amides and salt of lauryl sulfate. 3,406,854, 10-22-68, Cl. 215—40.

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Te Strake, Lambertus, to N. V. Machinefabriek L. Te Strake. Device for making up a weft to be used in connection with a loom. 3,376,901, 4-9-68, Cl. 139—127.

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Teszner, Stanislas. Integral grid and multichannel field effect devices. 3,407,342, 10-22-68, Cl. 317—235.

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Tetzlaff, Clarence C., to Wittek Mfg. Co. Hose clamp with load distributing member. 3,389,442, 6-25-68, Cl. 24—278.

Tetzlaff, Clarence C., and G. Chamberlain, to Wittek Mfg. Co. Hose clamp with hose-attaching means. 3,407,448, 10-29-68, Cl. 24—19.

Tetzlaff, Clarence C., and G. Chamberlain, to Wittek Mfg. Co. Hose clamp with hose-attaching means. 3,407,449, 10-29-68, Cl. 24—19.

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Thomas, Carroll E. Artist's water color kit. 3,389,945, 6–25–68, Cl. 312—231.
Thomas, Carroll E. Artist's painting kit. 3,414,343, 12–3–68, Cl. 312—231.
Thomas, Charles A., and W. R. Hine, Jr., to Monsanto Co. Modified textile material resistant to penetration by aqueous media. 3,410,720, 11–12–68, Cl. 117—161.
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Thomas, Donald E., to Bell Telephone Laboratories, Inc. Simultaneous photodector and electrical modulator. 3,389,-341, 6–18–68, Cl. 329—144.
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Thomas, Edward J., and M. Williams, to The General Electric Co. Ltd. Superconducting magnets. 3,361,998, 1–2–68, Cl. 335—216.
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Thomas, Edward M. Hydraulic brake system. 3,405,525, 10–15–68, Cl. 60—54.6.
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Thomas, George M. Air conditioning unit. 3,416,329, 12–17–68, Cl. 62—262.
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Thomas, Gordon C., to The Lummus Co. Preparation of construction and fabrication drawings from a model. 3,369,299, 2–20–68, Cl. 33—1.
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Thomas, Jean C., and M. Marbach, to Produits Chimiques Pechiney-Saint-Gobain. Graft polymers of chlorinated butyl rubber on polyvinyl chloride and process for preparation of same. 3,391,225, 7–2–68, Cl. 260—879.
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Thomas, John C. Binding means and method. 3,381,989, 5–7–68, Cl. 289—1.2.
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Thomas, Nyal D., Sr. Center drive vehicle mechanism. 3,369,622, 2–20–68, Cl. 180—5.
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Thomas, Paul E. Reciprocating gate control. 3,377,746, 4–16–68, Cl. 49—242.
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Thomas, Paul M., R. H. Neill, L. W. Wright, E. E. Crile, and R. W. Burge, to Builders Equipment Co. Brick stacking machine. 3,404,788, 10–8–68, Cl. 214—6.
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Thomason, Harry E. Solar heat trap. 3,369,539, 2–20–68, Cl. 126—271.
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Thominet, Michel L., and E. L. Engelhardt, to Societe d'Etudes Scientifiques et Industrielles de l'Ile-de-France. Substituted methylenedioxybenzamides. 3,370,066, 2–20–68, Cl. 260—340.5.
Thominet, Michel L., J. A. Nicholson, and F. M. Robinson, to Societe d'Etudes Scientifiques Industrielles de l'Ile-de France. Benzoic acids. 3,391,186, 7–2–68, Cl. 260—519.
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Thompson, Andy L. Apparatus for separating granular materials. 3,394,808, 7–30–68, Cl. 209—245.
Thompson, Andy L. Belt-type automatic bunk feeder. 3,400,805, 9–10–68, Cl. 198—56.
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Thompson, Court. Windshield protective device. 3,410,601, 11-12-68, Cl. 296—95.

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Thompson, Eugene L. Reversible lock guard for out-swinging doors. 3,377,094, 4-9-68, Cl. 292—346.

Thompson, Eugene L. Reversible lock guard for in swinging doors. 3,392,999, 7-16-68, Cl. 292—346.

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Thompson, George D. Shock absorbing handle for an archer's bow. 3,416,508, 12-17-68, Cl. 124—24.

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Thompson, Gordon B., and S. H. Whitaker, to Northern Electric Co. Ltd. Long transit time transmission system. 3,419,682, 12-31-68, Cl. 179—1.

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Halperin, Bernard I., and Thompson. 3,418,120.

Thompson, James R., to Washington Iron Works. Interlocking yarder. Re. 26,505, 12-17-68, Cl. 254—185.

Thompson, James S., to The Bunker-Ramo Corp. Radiation sensitive optical system for matching complementary codes. 3,411,007, 11-12-68, Cl. 250—219.

Thompson, James S., and P. B. Roulund, to FMA, Inc. Method for making and testing a mold for a backlet projection screen. 3,365,524, 1-23-68, Cl. 264—40.

Thompson, James T., and R. M. Holdeman. Heat generator. 3,377,743, 4-16-68, Cl. 47—2.

Thompson, James W.: *See*—
Kruger, Owen L., Moser, and Thompson. 3,362,914.

Thompson, Jennings B.: *See*—
Funk, Charles F. 3,396,776.

Thompson, Jerrell B., Jr. Fastening device for expanded-metal sheets. 3,367,078, 2-6-68, Cl. 52—507.

Thompson, John E. Silage and method of preparing same. 3,368,901, 2-13-68, Cl. 99—8.

Thompson, John E. Rearrangement of lard. 3,392,031, 7-9-68, Cl. 99—118.

Thompson, John F. Door with adjustable screen panel. 3,399,709, 9-3-68, Cl. 160—37.

Thompson, John I., & Co.: *See*—
Lynch, Francis J., and Miller. 3,367,170.

Thompson, John L.: *See*—
French, Lawrence R., Strausser, and Thompson. 3,417,159.

Thompson, John M., to Ilford Ltd. Thioether silver halide development accelerators. 3,419,392, 12-31-68, Cl. 96—66.3.

Thompson, John M., and A. C. Farthing, to Ilford Ltd. Cyclic thioether silver halide development accelerators. 3,419,393, 12-31-68, Cl. 96—66.3.

Thompson, John S.: *See*—
Keast, Russell R., Wirth, and Thompson. 3,367,876.
Keast, Russell R., Wirth, and Thompson. 3,367,880.

Thompson, John T.: *See*—
Beesley, Robert A., and Thompson. 3,402,451.

Thompson, John W.: *See*—
Barcaro, Eugene B., and Thompson. 3,387,292.
Davis, Thomas G., and Thompson. 3,368,975.
Scoggins, Bobby N., and Thompson. 3,404,087.

Thompson, John W., and J. C. Ownby, to Eastman Kodak Co. Thermally stabilized, liquid hydrocarbon fuels. 3,407,051, 10-22-68, Cl. 44—63.

Thompson, Joseph, to Illinois Water Treatment Co. Process for delonizing aqueous solutions. 3,382,169, 5-7-68, Cl. 210—32.

Thompson, Josephus B., to The Grossman Music Corp. Recorder. 3,363,497, 1-16-68, Cl. 84—380.

Thompson, Joshua B., and G. C. Hildred, to Cominco Ltd. Process for the production of granular nitrogenous compounds. 3,398,191, 8-20-68, Cl. 260—555.

Thompson, Joshua B., and G. C. Hildred, to Cominco Ltd. Pan granulation. 3,408,169, 10-29-68, Cl. 23—313.

Thompson, Kenneth R.: *See*—
Clark, Robert C., and Thompson. 3,417,235.

Thompson, Leonard W., and B. W. Preston, to Martin-Marietta Corp. Microwave waveguide to coax coupling system. 3,375,474, 3-26-68, Cl. 333—21.

Thompson, Malcolm F., and F. F. Grant. Tape transport means having variable speed supply and take-up reels. 3,383,061, 5-14-68, Cl. 242—55.13.

Thompson Mfg. Co., Inc.: *See*—
Dame, Stanley P. 3,405,932.

Thompson, Maurice J. Brace rod for rearview mirrors. 3,371,903, 3-5-68, Cl. 248—486.

Thompson, Mel W. Blocking machine comprising pivotally mounted, spring biased blocking arm. 3,398,953, 8-27-68, Cl. 273—55.

Thompson, Milton A.: *See*—
Guyton, James L., and Thompson. 3,368,877.

Thompson, Moody C., Jr., and M. J. Vetter, to United States of America, Commerce. Refractometer that measures the difference in refractive indices of a gas at two frequencies. 3,400,330, 9-3-68, Cl. 324—58.5.

Thompson, Morice W., to Imperial Chemical Industries Ltd. Polymer dispersions. 3,382,297, 5-7-68, Cl. 260—875.

Thompson, Morice W., and F. A. Waite, to Imperial Chemical Industries Ltd. Process for preparing polymers having one terminal functional group capable of condensation reaction. 3,390,206, 6-25-68, Cl. 260—875.

Thompson, Norman, to Beta Aluminum Products Ltd. Pivoted window louvres. 3,375,608, 4-2-68, Cl. 49—403.

Thompson, Norman, to Beta Aluminum Products Ltd. Roofing medium. 3,394,506, 7-30-68, Cl. 52—13.

Thompson, Orville A.: *See*—
Gyorey, Geza L., Parkos, Roupe, Thompson, and Crowther. 3,385,758.

Thompson, Quentin E.: *See*—
Clark, Frank S., and Thompson. 3,395,101.

Thompson, Quentin E., to Monsanto Co. Diorganooxydisulfide esters. 3,376,322, 4-2-68, Cl. 260—397.2.

Thompson, Quentin E., to Monsanto Co. Bromination of 3-chlorodiphenyl ether. 3,366,694, 1-30-68, Cl. 260—612.

Thompson, Paul, to Bestpak, Inc. Box blank having integral frame for removable cover. 3,378,186, 4-16-68, Cl. 229—44.

Thompson, Philip B., to Sprague Electric Co. Weldable high voltage terminal. 3,404,218, 10-1-68, Cl. 174—177.

Thompson, Phillip M., to The Plessey Co. Ltd. Semiconductor coupling means for two transistors or groups of transistors. 3,390,280, 6-25-68, Cl. 307—215.

Thompson, Phillip G.: *See*—
Prager, Julianne H., and Thompson. 3,415,865.

Thompson, Ralph B., and M. J. Jursich, to Nalco Chemical Co. Polymerization process. 3,414,547, 12-3-68, Cl. 260—78.5.

Thompson, Ralph L. Protective hat rack. 3,405,808, 10-15-68, Cl. 211—31.

Thompson, Richard K., Jr.: *See*—
Schweizer, Paul E., and Thompson. 3,402,581.

Thompson, Richard H., to Doughboy Industries, Inc. Sealing apparatus. 3,378,986, 4–23–68, Cl. 53—76.

Thompson, Richard L., to General Electric Co. Photoelectric control device with rotatable housing for adjustable light control to the photosensitive element. 3,408,501, 10–29–68, Cl. 250—239.

Thompson, Richard L., and F. B. Dwyer, to The Colonial Sugar Refining Co. Ltd. Method of ore sorting based on differential infrared emission. 3,395,793, 8–6–68, Cl. 209—3.

Thompson, Robert C.: *See*—
Keeler, Miner S., II, and Thompson. 3,389,391.

Thompson, Robert C., to Techrand Corp. of America. Frequency responsive RC timing circuit for detecting either lack of input or overextended presence of input. 3,403,269, 9–24–68, Cl. 307—293.

Thompson, Robert D.: *See*—
Fisher, William T., Thompson, Patterson, and Dahl. 3,364,853.
Thompson, Geoffrey B. and R. D. 3,375,940.

Thompson, Robert E., to Schering Corp. Medicament atomizer and foamer. 3,361,304, 1–2–68, Cl. 222—189.

Thompson, Robert G.: *See*—
Reichenbach, Joseph V., and Thompson. 3,415,236.

Thompson, Robert L., to Ingersoll-Rand Co. Rotary percussion gang drill. 3,387,673, 6–11–68, Cl. 175—96.

Thompson, Ronald R., and A. N. Cook, to The Singer Co. Foot controlled potentiometer system for sewing machine motors. 3,364,452, 1–16–68, Cl. 338—108.

Thompson, Rothey, Jr., and O. M. Fellman. Apparatus for rethreading ropes or cables for cranes, hoists and the like. 3,367,599, 2–6–68, Cl. 242—86.5.

Thompson, Samuel G.: *See*—
Dusenbury, Joseph H., and Thompson. 3,409,960.

Thompson, Stewart P., to International Standard Electric Corp. Ceramic-metal seals. 3,403,043, 9–24–68, Cl. 117—22.

Thompson, Theodore F. Fifth wheel mount. 3,397,899, 8–20–68, Cl. 280—432.

Thompson, Thomas E.: *See*—
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Thompson, Thomas L., and T. J. Schalze, to Chicago Aerial Industries, Inc. Optical illumination system. 3,375,361, 3–26–68, Cl. 240—1.3.

Thompson, Thomas W., to Imperial Chemical Industries Ltd. 3-amino-1-anthryl-, dihydroanthryl- or fluoroenyloxy-2-propanols and the salts thereof. 2,394,171, 7–23–68, Cl. 260—501.18.

Thompson, Tom H. Bellows mechanism. 3,394,631, 7–30–68, Cl. 92—46.

Thompson Tools, Inc.: *See*—
Thompson, Bobbie J. 3,391,715.

Thompson, Vern C. Bolt assembly for firearms. 3,370,372, 2–27–68, Cl. 42—16.

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Thompson, Walter W. Suspended ceiling of removable panels. 3,400,506. 9–10–68, Cl. 52—484.

Thompson, Wendell L.: *See*—
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Heffelfinger, Robert D., Hagerborg, Bartlett, Thompson, and Small. 3,408,906.
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Thompson, William A., and J. H. Powers, to Aluminum Co. of America. Method and means of anodizing. 3,385,774, 5–28–68, Cl. 204—58.

Thompson, William B., R. Treloar, and C. A. Thorsby, to General Motors Corp. Auxiliary means energizing fluid steering system upon deactivation of main pump. 3,407,894, 10–29–68, Cl. 180—53.

Thompson, William C. Stress eliminator for partial dentures. 3,388,471. 6–18–68. Cl. 32—7.

Thompson, William H., and W. J. Glasson, to Goldcraft Inc. Mechanical golfer. 3,373,612, 3–19–68, Cl. 73—379.

Thompson, William J.: *See*—
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Thompson, William J., and D. K. Cable, to Angeles Metal Trim Co. Partition wall with yieldable cap members. 3,397,495, 8–20–68, Cl. 52—241.

Thompson, William R., and B. Adams, to Esso Research and Engineering Co. Apparatus for the method of installing sub-surface moisture barrier in soils. 3,394,551, 7–30–68, Cl. 61—1.

Thompson, Willis H., Jr. Uniform keyboard adapter. 3,392,620, 7–16–68, Cl. 84—425.

Thoms, Jule W., to Carr Lane Mfg. Co. Bracket and reversible base member assembly for fixture construction. 3,387,812, 6–11–68, Cl. 248—274.

Thoms, William F.: *See*—
Ward, William F., Thoms, and Staley. 3,392,973.

Thomsen, Christen C.: *See*—
Fleischer, Svend S. C., Thomsen, Hofmann, and Rossberg. 3,379,222.
Fleischer, Svend S. C., Thomsen, Hofmann, and Rossborg. 3,400,738.

Thomsen, Kenneth E.: *See*—
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Thomsen, Jack W., to Bell & Howell Co. Driven web supply detector. 3,386,675, 6–4–68, Cl. 242—55.13.

Thomsen, Jack W., to Bell & Howell Co. Self-winding film reel assembly. 3,392,929, 7–16–68, Cl. 242—67.1.

Thomson, Amherst F. H.: *See*—
Butement, William A. S., Shire, and Thomson. 3,369,487.

Thomson, Arthur C., K. Szabo, M. E. Brokke, and J. J. Menn, to Stauffer Chemical Co. Pesticidal compositions and methods containing phosphorous-containing esters of 2-thiomethyl. 3,384,540, 5–21–68, Cl. 167—33.

Thomson, Arthur R.: *See*—
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Budts, Lucien. 3,411,022.

Thomson, Bernard, to International Standard Electric Corp. Grid electrode having a barrier layer of metal carbide and a surface coating of metal boride thereon. 3,389,285, 6–18–68, Cl. 313—107.

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Thomson, David J., to Bell Telephone Laboratories, Inc. Low loss communications cable. 3,390,357, 6–25–68, Cl. 333—17.

Thomson, Edward T., to Automatic Timing & Controls, Inc. Weighing cell. 3,373,830, 3–19–68, Cl. 177—168.

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Thomson, Finlay M., and J. D. Paul, to Barclay, Curle & Co., Ltd. Hydraulic couplings. 3,402,554, 9–24–68, Cl. 60—54.

Thomson, Francis D.: *See*—
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Thomson, Henry A., V. J. Witkowski, and P. N. Crawford, to Eastman Kodak Co. Mechanism for positioning rollers and transducer means relative to a film strip. 3,397,290, 8–13–68, Cl. 179—100.2.

Thomson, James E.: *See*—
Bortz, Harold E., and Thomson. 3,387,616.

Thomson Machinery Co., Inc., The: *See*—
Braud, Lionel C. 3,381,760.
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Thomson-Medical-Telco: *See*—
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Remington, Leonard F. 3,405,933.

Thomson, Quentin R. Air distributor valve. 3,387,550, 6–11–68, Cl. 98—40.

Thomson, Richard N., G. E. Inskeep, and A. P. Super, to Philip Morris Inc. Cigarette filter. 3,394,713, 7–30–68, Cl. 131—264.

Thomson, Robert: *See*—
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Stoi, Walter T., and Thomson. 3,372,252.

Thomson, Tom R., to Research Corporation. Carbonaceous polysaccharide material and method of making. 3,364,201, 1–16–68, Cl. 260—233.3.

Thor, Edward J.: *See*—
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Thor, Harry A. Cabinet assembly. 3,401,652, 9–17–68, Cl. 108—106.

Thor Metal Products Co., Inc.: *See*—
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Thorburn, David H., to The Powers Regulator Co. Pneumatic tube signal system. 3,361,384, 1–2–68, Cl. 243—16.

Thorburn, David H., to The Powers Regulator Co. Multiplex pneumatic control unit. 3,373,935, 3–19–68, Cl. 236—82.

Thorburn, David H., to The Powers Regulator Co. Pneumatic tube system. 3,406,928, 10–22–68, Cl. 243—5.

Thorburn, David H., to The Powers Regulator Co. Fluid signal addressing system. 3,410,501, 11–12–68, Cl. 243—5.

Thoren, Torgny A. Heat insulating structure and a heat generating apparatus including such a heat insulating structure. 3,376,834, 4–9–68, Cl. 110—56.

Thoresen, Gunnar and T., ½ to G. and T. Thoresen. Table construction. 3,415,208, 12–10–68, Cl. 108—94.

Thoresen, John C., to The New York Air Brake Co. Controller for a DC or universal motor utilizing static switching elements. 3,402,338, 9–17–68, Cl. 318—310.

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Thornberg, Dean S., R. M. Jepperson, and M. W. Loosle, to LFV Electrosystems, Inc. Capacitive peak power indicator circuit gated by peak sensing circuit. 3,406,337, 10–15–68, Cl. 324—103.
Thorne, John P., and A. W. Pilaehn, to National Electric Welding Machines Co. Direct current power supply means with balanced delivery paths. 3,361,951, 1–2–68, Cl. 321—8.
Thorne, Ward, to Armstrong Cork Co. Fabric printing. 3,374,731, 3–26–68, Cl. 101—129.
Thorner, Robert H. Fluid governor or controller. 3,371,674, 3–5–68, Cl. 137—36.
Thorner, Robert H. Defroster control. 3,374,643, 3–26–68, Cl. 62—140.
Thorner, Robert H. Defroster control. 3,399,541, 9–3–68, Cl. 62—140.
Thorner, Robert H. Vehicle throttle control mechanism. 3,417,836, 12–24–68, Cl. 180—109.
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Holmes, Peter D., and Thornhill. 3,393,979.
Holmes, Peter D., Thornhill, and Nicholas. 3,379,505.
Thornhill, Alexander F., and M. F. Williams, to United States of America, Navy. Radio navigation receiving system utilizing AGC for switching from phase-measuring mode of operation to a dead reckoning mode. 3,388,397, 6–11–68, Cl. 343—105.
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Thornton, Douglas, to National Video Corp. Light source for shadow mask tubes. 3,380,354, 4–30–68, Cl. 95—1.
Thornton, George D. Oscillation operated elevatable swing. 3,411,774, 11–19–68, Cl. 272—6.
Thornton, James F., and L. Kniel, to The Lummus Co. Repressurized natural gas addition to main gas stream to maintain well head pressure. 3,360,945, 1–2–68, Cl. 62—26.
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Thornton, Marshall B., to United Aircraft Corp. Hydraulic load limiter. 3,376,739, 4–9–68, Cl. 73—141.
Thornton, Ray F. Locking differential. 3,362,258, 1–9–68, Cl. 74—711.
Thornton, Richard C. Vibrating game board having player guide means. 3,400,931, 9–10–68, Cl. 273—94.
Thornton, Samuel A., to S. A. Thornton, Jr. Cane jouncing means. 3,412,859, 11–26–68, Cl. 209—329.
Thornton, Samuel A., Jr.: *See*—
Thornton, Samuel A. 3,412,859.
Thornton, William A., Jr., to Westinghouse Electric Corp. Electroluminescent device which incorporates barium oxide films as breakdown protection. 3,378,715, 4–16–68, Cl. 313—108.
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Thornton, William A., Jr., to Westinghouse Electric Corp. Process for manufacturing an electroluminescent device. 3,414,490, 12–3–68, Cl. 204—38.
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Thorp, James H., to The Smyth Mfg. Co. Back strip trimming machine. 3,395,597, 8–6–68, Cl. 33—417.
Thorp, James H., to The Smyth Mfg. Co. Book casing-in machine. 3,394,418, 7–30–68, Cl. 11—3.
Thorp, James H., to The Smyth Mfg. Co. Mechanism for conveying unbound books intermittently through a rounding and backing machine. 3,413,669, 12–3–68, Cl. 11—5.
Thorp, James T., Jr., and D. K. Brazee, to Lambert Products, Inc. Means for and method of producing contraction joints. 3,368,464, 2–13–68, Cl. 94—18.
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Thorpe, Merle L., and K. W. Harrington, to Humphreys Corp. Induction plasma generator including cooling means, gas flow means, and operating means therefor. 3,401,302, 9–10–68, Cl. 315—111.
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Thorstensen, Thomas C., J. H. Brown, and J. C. Pernert, to Hooker Chemical Corp. Depilation with a solution of an inorganic phospho-sulfur compound. 3,365,265, 1–23–68, Cl. 8—94.16.
Thorstensen, Thomas C., J. H. Brown, and J. C. Pernert, to Hooker Chemical Corp. Depilation with an essentially lime free inorganic phospho-sulfur compound solution. 3,365,266, 1–23–68, Cl. 8—94.16.
Thouret, Wolfgang E., to Duro-Test Corp. Vapor discharge lamp with cooling means for portion of electrode. 3,412,275, 11–19–68, Cl. 313—32.
Thouret, Wolfgang E., to Duro-Test Corp. Incandescent lamp with addition of fluorine compounds to the operating gas filling. 3,412,277, 11–19–68, Cl. 313—222.
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Thrasher, Howard G., to Litton Systems, Inc. Vibration isolator. 3,368,807, 2–13–68, Cl. 267—35.
Thrasher, Shannon O. Muffler with tangential exhaust intake and porous ends. 3,400,784, 9–10–68, Cl. 181—40.
Threadgold, Ronald, and D. Hartley, to Automatic Telephone & Electric Co. Ltd. Data handling apparatus. 3,372,380, 3–5–68, Cl. 340—172.5.
Threadgold, Ronald, D. Hartley, H. V. Bell, G. E. Lynch, J. C. Bines, and O. T. Pate, to Automatic Telephone & Electric Co. Ltd. Computers. 3,404,378, 10–1–68, Cl. 340—172.5.
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Thurner, Michael R. L., to Communications Patents Ltd. Ground-based aircraft flight simulating apparatus. 3,376,658, 4–9–68, Cl. 35—12.
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Dell'Agnese, David E., and Tinker. 3,379,425.
Tinkham, Leland P., and C. J. Asmus, to Clayton Mfg. Co. Probe for collecting exhaust gas. 3,382,721, 5–14–68, Cl. 73—421.5.
Tinkler, Jack H.: *See*—
Van Doorn, Donald W., Pease, and Tinkler. 3,393,016.
Tinlin, William. Method and system for recovering shale oil and gas. 3,362,751, 1–9–68, Cl. 299—2.
Tinnerman, George A. Latching fasteners. 3,381,344, 5–7–68, Cl. 24—73.
Tinnerman, George A. Spring steel fasteners. 3,382,753, 5–14–68, Cl. 85—32.
Tinnerman, George A. Composite fastener assembly. 3,388,-627, 6–18–68, Cl. 85—32.
Tinnerman, George A. Pull tab for opening container. 3,406,-865, 10–22–68, Cl. 220—54.
Tinnerman Products Inc.: *See*—
Bennett, Alan J. 3,366,000.
Bennett, Alan J. 3,387,642.
Bennett, Alan J. 3,412,437.
Buttriss, Albert T. 3,368,780.
Flora, Laurence H. 3,387,529.
Holton, Robert J. 3,364,807.
Holton, Robert J. 3,368,444.
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Holton, Robert J. 3,373,645.
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Strange, John. 3,395,602.
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Schuplin, Jerome T. 3,417,438.
Williams, Alan. 3,395,604.
Tinsley, H., & Co., Ltd.: *See*—
Spurr, Ronald F., and Martin. 3,363,108.
Tinsley, John M., and W. T. Malone, to Halliburton Co. Fluid loss control. 3,417,821, 12–24–68, Cl. 166—42.
Tinsley, Samuel W.: *See*—
Starcher, Paul S., Tinsley, and Ash. 3,404,102.
Tinsley, Samuel W., and D. L. MacPeek, to Union Carbide Corp. Resins from 1,2-di(1,2-epoxyethyl)cyclobutane. 3,361,-686, 1–2–68, Cl. 260—2.
Tinsley, Samuel W., P. S. Starcher, and P. A. King, to Union Carbide Corp. Cyclopentyl epoxides and resinous compositions. 3,368,983, 2–13–68, Cl. 260—2.
Tinsley, Samuel W., E. A. Rick, and J. E. McKeon, to Union Carbide Corp. Process for isomerizing ethylenically unsaturated compound possessing cycloaliphatic nucleus. 3,375,-287, 3–26–68, Cl. 260—666.
Tinsley, Samuel W., and E. A. Rick, to Union Carbide Corp. Preparation of 1,7-octadiene. 3,388,182, 6–11–68, Cl. 260—680.
Tinsley, William D., Jr.: *See*—
Bloom, Walter L., and Tinsley. 3,412,620.
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Tillander, Magnus E., Persson, and Johansson. 3,402,683.
Tipper, Maynard J. G., to Rheem Mfg. Co. Clipping apparatus. 3,377,692, 4–16–68, Cl. 29—243.57.
Tipper, Maynard J. G., to Rheem Mfg. Co. Apparatus for vacuum sealing casings and the like. 3,394,528, 7–30–68, Cl. 53—112.
Tipper, Maynard J. G., and J. W. Marietta, Jr., to Rheem Mfg. Co. Packaging apparatus and method. 3,389,533, 6–25–68, Cl. 53—134.
Tippetts, Earl L., to Lear Siegler, Inc. Signal generator for control systems. 3,404,857, 10–8–68, Cl. 244—77.
Tipping, Geoffrey N., to Jenag Equipment Ltd. Straining apparatus for paint and the like. 3,378,143, 4–16–68, Cl. 210—411.
Tipping, Roderick G.: *See*—
Borman, August H., Koivunen, Tipping, and Week. 3,367,211.
Tipton, Earl W., to Westinghouse Electric Corp. Core-form transformer pressure ring wound from magnetic material. 3,366,907, 1–30–68, Cl. 336—197.
Tipton, Earl W., to Westinghouse Electric Corp. Interleaved winding having high series capacitance. 3,391,365, 7–2–68, Cl. 336—70.
Tipton, Larry M. Grinding apparatus. 3,417,800, 12–24–68, Cl. 146—186.
Tiraspolsky, Wladimir. Subaqueous hydraulic accumulators. 3,401,528, 9–17–68, Cl. 61—69.
Tiraspolsky, Wladimir, G. Baron, and A. Castela, to Institut Francais du Petrole des Carburants et Lubrifiants. Reaming tools for wells bored in the ground. 3,400,773, 9–10–68, Cl. 175—107.
Tirpak, Michael R., I. Rosen, R. M. Wilhjelm, J. T. Reed, and K. D. Kiss, to Diamond Shamrock Corp. Copolymerization of trioxane and norbornadiene with a prepolymer catalyst. 3,415,785, 12–10–68, Cl. 260—67.
Tirtiaux, Robert, and R. Tourret, to Esso Research and Engineering Co. Lubricating oil containing polymeric additive. 3,390,089, 6–25–68, Cl. 252—56.
Tischler, Henry J.: *See*—
Byczkowski, Ernest, and Tischler. 3,418,676.
Lynn, Harry P., and Tischler. 3,391,894.
Lynn, Harry P., and Tischler. 3,398,987.
Tischler, Morris. Plastic embedded color-coded printed circuit. 3,410,949, 11–12–68, Cl. 174—68.5.
Tischuk, Walter, to H. H. Robertson Co. Building wall structure. 3,394,519, 7–30–68, Cl. 52—478.
Tischuk, Walter, to H. H. Robertson, Co. Plural U-shaped pan metal sheath construction secured by friction clip with trim cap. 3,402,521, 9–24–68, Cl. 52—460.
Tisdale, Norman F. Method of removing iron oxide particles from fumes. 3,365,340, 1–23–68, Cl. 75—25.
Tisdall, Thomas W., and C. E. Brown, to The Lane Co. Inc. Furniture module stacking and locking arrangement. 3,368,-856, 2–13–68, Cl. 312—111.
Tisdell, James R., and M. W. Lawson. Roping trainer comprising a roping object movable over a pair of parallel spaced tracks forming a closed loop. 3,406,969, 10–22–68, Cl. 273—1.
Tiskus, John R., and R. A. Vey, to United States Steel Corp. System for progressive shutdown of cooling water sprays. 3,417,810, 12–24–68, Cl. 164—150.
Tiso, John M., to International Telephone and Telegraph Corp. Vibration table with self-adjusting gas bearing. 3,393,554, 7–23–68, Cl. 73—71.6.
Tison, Eric, and R. Blanchin, to Societe Anonyme dite Seailles & Tison. Improvements in the paying out under tension of products in sheet form, particularly paper sheet. 3,411,684, 11–19–68, Cl. 226—25.
Tison, Pierre L. J., to Houilleres du Bassin de Lorraine. Travel recording apparatus for coal cutters or other mining machines. 3,372,397, 3–5–68, Cl. 346—33.
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Tissot-Dupont, Lucien F. S., to Societe S.T. Dupont, Societe Anonyme. Quick coupling for the transfer of fluids. 3,402,-747, 9–24–68, Cl. 141—348.
Tissot-Dupont, Michel L. A., to S. T. Dupont. Pneumatic or the like valve control arrangement. 3,371,684, 3–5–68, Cl. 137—609.
Tissot-Dupont, Michel L. A., to Societé á R. L. named S. T. Dupont. Pneumatic pilot valve with snap action. 3,389,-886, 6–25–68, Cl. 251—75.
Titan Abrasives Co.: *See*—
Shoemaker, Frank O. 3,386,214.
Shoemaker, Frank O. 3,400,497.
Titan Eisenwarenfabrik G.m.b.H.: *See*—
Heckmanns, Heinz. 3,401,431.
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Titangesellschaft m.b.H.: *See*—
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Day, Dwayne L. 3,364,017.
Dilling, Elmer D. 3,380,278.
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Parris, Warren M. 3,394,036.
Parris, Warren M. 3,409,428.
Partridge, James M., Poulsen, Priscu, and Smith. 3,392,003.
Snow, Karl S., and Herres. 3,416,919.
Vordahl, Milton B. 3,379,522.
Titchenal, Oliver R., F. Jark, W. S. Coombes, and W. Ruf, to St. Regis Paper Co. Wrapping machine and method. 3,383,825, 5–21–68, Cl. 53—24.
Titow, Benuamin: *See*—
Best, Howard S., and Titow. 3,395,844.
Titt, Georg, to Georg Muller Kugelfabrik KG. Overrunning clutch. 3,363,733, 1–16–68, Cl. 192—45.1.
Tittman, Jay, to Schlumberger Technology Corp. Chlorine logging methods. 3,413,471, 11–26–68, Cl. 250—83.3.
Tittmann, Frederick R., and W. M. Jayne, Jr., to Union Carbide Corp. Coating method and apparatus for deposition of polymer forming vapor under vacuum. 3,379,803, 4–23–68, Cl. 264—81.
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Averill, Eugene F. 3,410,042.
Averill, Eugene F. 3,412,669.
Titus, Paul E., to Shell Oil Co. Method of imparting hardness on water-soluble particles. 3,378,363, 4–16–68, Cl. 71—64.
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Teodor, Danila, Titus, and Gheorghe. 3,399,325.
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Titzmann, Rudolf: *See*—
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Tjaden, Jan, to Hoefliger & Karg. Container. 3,397,774, 8–20–68, Cl. 206—45.34.
T'Jampens, Germain R., R. A. J. M. Meijer, and M. H. A. Van De Weijer, to North American Philips Co., Inc. Regenerative cycle electric incandescent lamp. 3,418,512, 12–24–68. Cl. 313—185.
Tjerneld, Stig, and O. Hook, to Aktiebolaget Stille-Werner. Device for the tapping of urine and similar purposes. 3,398,745, 8–27–68, Cl. 128—295.
Tjernstrom, Ove, to Allmanna Svenska Elektriska Aktiebolaget. Brake arrangement. 3,380,785, 4–30–68, Cl. 303—21.
Tkachenko, Galina V.: *See*—
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Tlaker, Erich, to The Fellows Gear Shaper Co. Method of forming profiled objects. 3,396,563, 8–13–68, Cl. 72—118.
Tlustý, Jiří, M. Polacek, L. Pluhař, and O. Maryška, to Vyzkumny ustav obrabecich stroju a obrabeni. Tailstock for machine tool. 3,376,770, 4–9–68, Cl. 82—31.
Toa Electric Co., Ltd.: *See*—
Imadate, Hiroshi. 3,390,326.
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Strydom, Mauritz L. 3,380,781.
Strydom, Mauritz L. 3,386,774.
Tobaccoless Smokes, Inc.: *See*—
Torigian, Puzant C. 3,367,043.
Tobacman, Leo: *See*—
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Tobe Deutschmann Laboratories, Inc.: *See*—
Blank, Edward. 3,386,057.
Toben, Robert L. Multi-level boat harbor. 3,390,530, 7–2–68, Cl. 61—46.
Toben, Robert L. Multilevel boat harbor. 3,398,540, 8–27–68, Cl. 61—46.
Tobey, Frederic S., to W. H. Brady Co. Variable autotransformer. 3,368,140, 2–6–68, Cl. 323—22.
Tobey, Hubert E., and G. J. McCutchen, to Continental Baking Co. Baking pan inverter. 3,403,768, 10–1–68, Cl. 198—33.
Tobey, John P., Jr.: *See*—
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Tobey, Paul L., to Industrial Dyestuff Co. Diazo light-sensitive composition and element. 3,404,005, 10–1–68, Cl. 96—91.
Tobey, Richard. Time measuring circuit for determining projectile velocity. 3,378,766, 4–16–68, Cl. 324—68.
Tobey, Richard, and A. K. Jennings, to Dartex, Inc. Apparatus for measuring skew in a tape transport. 3,414,816, 12–3–68, Cl. 324—83.
Tobey, Stephen W., to The Dow Chemical Co. Extraction apparatus. 3,397,115, 8–13–68, Cl. 202—169.
Tobias, Jaromir. Radial piston device with self-aligning piston assembly. 3,392,634, 7–16–68, Cl. 92—58.
Tobias, Maurice. Scoring device. 3,384,959, 5–28–68, Cl. 30—24.
Tobias, Philip E. Photocomposition corrector. 3,400,925, 9–10–68, Cl. 269—293.
Tobias, Stephen A.: *See*—
Amini, Ehssanollah, Tobias, and Hobson. 3,383,889.
Tobias, Stephen A., and F. Bakhtar, to National Research Development Corp. Impulse forming and like machines. 3,381,672, 5–7–68, Cl. 123—46.
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Kramer, Kenneth C., Archibald, and Tobie. 3,399,850.
Tobie, Roger S.: *See*—
Malby, Howard S., Recknagel, and Tobie. 3,390,827.
Malby, Howard S., Recknagel, and Tobie. 3,390,828.
Malby, Howard S., Recknagel, and Tobie. 3,390,829.
Tobin, John E. Pocket check writer and check protector. 3,393,636, 7–23–68, Cl. 101—20.
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Tobisch, Gerhard J.: *See*—
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Tobolewski, Maximilian. Equipment for the ventilation of beds. 3,376,584, 4–9–68, Cl. 5—317.
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Tocker, Stanley, to E. I. du Pont de Nemours and Co. Nitrophenol stabilized compositions of polyolefins. 3,364,172, 1–16–68, Cl. 260—45.9.
Tocker, Stanley, to E. I. du Pont de Nemours and Co. Polymeric light stabilizers and compositions thereof. 3,385,910, 5–28–68, Cl. 260—860.
Tocker, Stanley, to E. I. du Pont de Nemours and Co. Ultraviolet light stabilized polymers. 3,418,397, 12–24–68, Cl. 260—900.
Toda, Takao, K. Yoda, and K. Kimoto, to Toyo Boseki Kabushiki Kaisha. Production of polyesters by polycondensation in presence of tellurium compound as polycondensation catalyst. 3,394,110. 7–23–68, Cl. 260—75.
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Todd, Carl D., to Hughes Aircraft Co. Electronic braking circuit for electric motor. 3,379,949, 4–23–68, Cl. 318—380.
Todd, David M., and W. D. McDavid, to Tenneco Chemicals, Inc. Ethylene-α-olefin elastomer compositions. 3,415,769, 12–10–68, Cl. 260—29.8.
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Landua, Alton J., and Todd. 3,409,591.
Landua, Alton J., and Todd. 3,409,592.
Todd, Jerry W., and C. G. Courneya, to Minnesota Mining and Mfg. Gas chromatograph valve. 3,393,551, 7–23–68, Cl. 73—23.1.
Todd, John C., to Sinclair Research, Inc. Method for determining oxygen requirements for in-situ combustion. 3,387,654, 6–11–68. Cl. 166—4.
Todd, John H.: *See*—
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Todd, Keith W., to Associated Electrical Industries Ltd. Instruments for ascertaining static-pressures. 3,377,864, 4–16–68, Cl. 73—392.
Todd, Leslie J., to E. I. du Pont de Nemours and Co. Process and composition for chlorinating acetylene with aqueous cupric chloride solutions to produce trichlorethylene and perchlorethylene. 3,388,177, 6–11–68, Cl. 260—654.
Todd, Marion N., Jr., and F. J. Meyers, to Hughes Aircraft Co. Method of detector cooling and device therefor. 3,369,370, 2–20–68, Cl. 62—45.
Toda, Minoru, to Radio Corp. of America. Hall effect inductive element. 3,419,737, 12–31–68, Cl. 307—309.
Todd, William E., to The E. W. Buschman Co., Inc. Apparatus for handling and curing building blocks. 3,412,878, 11–26–68, Cl. 214—26.
Todd, William L., to FMC Corp. Method and apparatus for installing an underwater well. 3,382,921, 5–14–68, Cl. 166—88.
Todeschini, Eugenio, to Landini S.p.A. Tractor hydraulic control system. 3,405,766, 10–15–68, Cl. 172—10.
Todtenhaupt, Erich K. Method and device for producing uniform dispersions. 3,374,989, 3–26–68, Cl. 259—107.
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Toenne, Franz, and W. Brand, to Waggonfabrik Urdingen A.G. Werk Dusseldorf. Lubricating means for transmission and bearing means. 3,383,937, 5–21–68, Cl. 74—467.
Toennesen, Erling P., to Graphic Technology Syndicate. Driving mechanism for a vehicle. 3,364,874, 1–23–68, Cl. 104—166.
Toensing, James W., to Buckbee-Mears Co. Automatic positioning of continuously moving webbing. 3,373,912, 3–19–68, Cl. 226—20.

Toensing, James W., to Buckbee-Mears Co. Light shield for photoprinter frames. 3,392,652, 7-16-68, Cl. 95—75.

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Toffiemire, Benjamin F. Dental instrument with detachable matrix band clamping block. 3,377,705, 4-16-68, Cl. 32—63.

Tofte, Arbe O., to Aktiebolaget Kamyr. Apparatus for mixing of bleaching agents into cellulosic pulp. 3,366,367, 1-30-68, Cl. 259—9.

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Tohda, Minoru, N. Kuwana, and K. Kawabe, to Eisai Co., Ltd. Morpholinoacetohydrazide alkyl halides and process for their preparation. 3,398,147, 8-20-68, Cl. 260—247.2.

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Tojo, Tamotsu, to Matsushita Electronics Corp. Photoconductive targets. 3,396,053, 8-6-68, Cl. 117—217.

Tokar, Gerald. Nursing bottle holding device. 3,398,919. 8-27-68, Cl. 248—103.

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Tokorozawa, Sadao, K. Iwasaki, and Y. Aoki, to Pilot Man-Nen-Hitsu Kabushiki Kaisha. Retractable-nib, capless fountain pen. 3,399,946. 9-3-68, Cl. 401—108.

Tokuda, Yoshio, to Kinkohsha Insatsu Kabushiki Kaisha (Rep: Kinsen Tokuda). Apparatus for detecting passage of moving objects. 3,396,279, 8-6-68, Cl. 250—221.

Tokuhisa, Hiroshi. Method for manufacturing ethyl benzene. 3,364,276, 1-16-68, Cl. 260—671.

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Tokumoto, Toshiyuki, ½ to H. Yamada. Method for removing oil and foreign bodies from water. 3,412,003, 11-19-68, Cl. 204—186.

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Tokuyama, Takashi, K. Uehara, and Y. Adachi, to Kabushiki Kaisha Hitachi Seisakusho. Method of forming a glass coating on semiconductors. 3,410,736, 11-12-68, Cl. 148—186.

Tokuyama, Tomoyasu, M. Kobori, and M. Horiuchi; said Kobori and said Horiuchi assors. to said Tokuyama. Fluorescent screen for an X-ray stereoscopic photographic device. 3,382,362, 5-7-68, Cl. 250—60.

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Tokyo Kagaku Kabushiki Kaisha: *See*—
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Araki, Tsuneo, and Takesa. 3,407,266.
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Tolaas, William M., to Hoerner-Waldorf Corp. Tape roll holder. 3,401,792, 9-17-68, Cl. 206—52.

Tolbert, Tommy L.: *See*—
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Toledo Heater Co.: *See*—
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Brackett, John C., and Tolaas. 3,394,800.

Toledo Scale Corp.: *See*—
Burgy, Raymond A., Nikazy, and Thurston. 3,385,402.
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Toledo Stamping & Mfg. Co.: *See*—
Foist, Joseph E. 3,413,880.

Toler, James R.: *See*—
Papin, Franklin E., Toler, and Cotton. 3,400,471.

Tolkmith, Henry: *See*—
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Tolksdorf, Hans-Joachim: *See*—
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Tolle, Karl, to Eastman Kodak Co. Reversed telephoto objective in which the front divergent member has three spaced components. 3,369,853, 2-20-68, Cl. 350—214.

Tollefson, Eric L., D. J. McGirr, and J. C. Clunie, to Chemcell (1963) Ltd. Alkali metal cyanide preparation. 3,402,994, 9-24-68, Cl. 23—79.

Tollefson, Robert D.: *See*—
Carter, Robert C., Cunningham, and Tollefson. 3,368,036.
Erickson, Gerald J., and Tollefson. 3,389,379.

Tollefson, Thomas C.: *See*—
Ashbaugh, James P., Borgstrom, and Tollefson. 3,389,380.

Tolley, Calvert B. Crab coring machine. 3,390,423, 7-2-68, Cl. 17—2.

Tolley, Derek C., to National-Standard Co. Ltd. Bag type filter apparatus and cleaning means therefor. 3,407,572, 10-29-68, Cl. 55—283.

Tolley, George C.: *See*—
Howard, Ronald A., and Tolley. 3,393,085.

Tolliver, Billy R.: *See*—
Gradin, James H., Tolliver, Blessum, and Richardson. 3,390,286.

Tolliver, James W., to E. I. du Pont de Nemours and Co. Preparation of polyester yarns having improved heat characteristics. 3,387,996, 6-11-68, Cl. 117—138.8.

Tolliver, Peter M., to General Dynamics Corp. Electronically tunable high frequency network using pin diodes. 3,414,833, 12-3-68, Cl. 330—53.

Tolman, Charles H.: *See*—
Oberg, Paul E., and Tolman. 3,382,448.
Oberg, Paul E., and Tolman. 3,418,163.

Tolman, Charles H., to Sperry Rand Corp. Magnetoresistive AND gate. 3,371,219, 2-27-68, Cl. 307—88.

Tolman, Charles H., to Sperry Rand Corp. Digital to analog converter. 3,372,387, 3-5-68, Cl. 340—347.

Tolman, Edward M.: *See*—
Smith, David H., and Tolman. 3,365,290.

Tolman, Thomas W. C.: *See*—
Horsewell, Henry G., and Tolman. 3,403,690.

Tolmassky, Iosif S.: *See*—
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Tolmie, Robert J.: *See*—
Locke, David R., Wuennemann, and Tolmie. 3,372,247.
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Tolmie, Robert J., P. E. Allen, and M. Demci, to Sperry Rand Corp. Electric dry shaver. 3,365,796, 1-30-68, Cl. 30—43.92.

Tolmie, Ronald W., to Atomic Energy of Canada Ltd. Method and apparatus for radiation direction finding. 3,400,267, 9-3-68, Cl. 250—83.3.

Tolomei, Mario: *See*—
Notari, Bruno, and Tolomei. 3,367,741.

Tom, Theodore K.: *See*—
James, Brian D., and Tom. 3,398,879.

Toma, Daniel N., to General Electric Co. Fluid amplifier. 3,362,422, 1-9-68, Cl. 137—81.5.

Toma, Daniel N., to General Electric Co. Turbine pump. 3,374,744, 3–26–68, Cl. 103—3.

Toma, Daniel N., to General Electric Co. Fluid diverter check valve. 3,399,698, 9–3–68, Cl. 137—494.

Tomago, Akio, and M. Fukai, to Matsushita Electric Industrial Co., Ltd. Metallized paper condensers. 3,419,770, 12–31–68, Cl. 317—258.

Tomalia, Donald A.: *See*—
Ham, George E., Hairston, and Tomalia. 3,409,618.

Tomalia, Donald A., to The Dow Chemical Co. Preparation of 2-chloroalkylisothiocyanates. 3,404,172, 10–1–68, Cl. 260—454.

Tomalia, Donald A., to Dow Chemical Co. 2-alkenyl-1,3-dioxolenium and 1,3-dioxenium salts and polymers thereof. 3,417,062, 12–17–68, Cl. 260—79.3.

Toman, Donald J., to General Precision Systems, Inc. Tactical landing approach radio system. 3,401,389, 9–10–68, Cl. 343—108.

Toman, William J. V., to Goodyear Aerospace Corp. Automatic scanning and lock-in apparatus for a mechanical optical system used in navigational control. 3,374,968, 3–26–68, Cl. 244—3.17.

Tomanek, Martha, to Azoplate Corp. Electrophotographic material and process employing metal resinates. 3,373,020, 3–12–68, Cl. 96—1.5.

Tomanek, Martha, to Azoplate Corp. Material for electrophotographic purposes. 3,390,987, 7–2–68, Cl. 96—1.5.

Tomany, James P., to Universal Oil Products Co. Cleaning-cooling system for a hot particle laden gas stream. 3,404,512, 10–8–68, Cl. 55—89.

Tomasovich, Martin. Bin turning attachment for fork lift vehicle. 3,416,680, 12–17–68, Cl. 214—307.

Tomasulo, Robert M.: *See*—
Anderson, David W., Conti, Sparacio, and Tomasulo. 3,418,638.

Tomb, William H., P. E. Wesel, and A. R. Zine, Jr. Corning Glass Works. Pipe coupling. 3,419,291, 12–31–68, Cl. 285—233.

Tomchin, Ronald E., to Philips Mfg. Co. Pendant jewelry. 3,415,079, 12–10–68, Cl. 63—23.

Tomek, Reinhold E., to International Business Machines Corp. Torqueless coupler having annular photoresponsive method. 3,392,283, 7–9–68, Cl. 250—204.

Tomen, Daniel. Trailer. 3,369,823, 2–20–68, Cl. 280—103.

Tomenceak, Arthur A.: *See*—
Bullard, Edward P., III, and Tomenceak. 3,365,989.

Tomi Kogyo Kabushiki Kaish: *See*—
Hakogi, Ichiro. 3,418,926.

Tomioka, Genichiro, to Japan Radio Co., Ltd. Apparatus for measuring liquid level. 3,394,589, 7–30–68, Cl. 73—290.

Tomioka, Hiroyuki, to Shinko Wire Co., Ltd. Metallic member and joint assembly. 3,376,060, 4–2–68, Cl. 287—108.

Tomita, Mary S.: *See*—
Johnston, Howard, and Tomita. 3,418,323.

Tomita, Tamaki. Displaceable base for assembling a machine tool and the like. 3,402,674, 9–24–68, Cl. 104—1.

Tomita, Tamaki, to Toyoda Machine Works Ltd. Hydraulic motor control circuit. 3,405,522, 10–15–68, Cl. 60—52.

Tomita, Tamaki, to Toyoda Machine Works, Ltd. Servo valve device in power steering gear of automobile. 3,408,900, 11–5–68, Cl. 91—372.

Tomita, Tetsuo: *See*—
Nagata, Wataru, Tomita, and Itazaki. 3,400,123.

Tomizawa, Setsuo: *See*—
Morii, Eiji, Tomizawa, Katoh, Iwata, Kito, Yamada, and Kuzuya. 3,364,111.

Tomka, Joseph W., to Nordberg Mfg. Co. Press for elbows and the like. 3,412,591, 11–26–68, Cl. 72—150.

Tomkins, David E., to Shenango China, Inc. Tunnel kiln. 3,388,439. 6–18–68, Cl. 25—142.

Tomkins-Johnson Co., The: *See*—
Watson, Tindale P., and Vandenburgh. 3,414,693.

Tomlin, Dave R., to Paraffin Tool & Equipment Co. Bypass valve for removing paraffin in oil wells. 3,376,936, 4–9–68, Cl. 166—226.

Tomlin, Robert D., to Magnatex Ltd. Windscreen wipers. 3,405,421, 10–15–68, Cl. 15—250.42.

Tomlinson, Audie B. Swiveling tool support for earth-working machine. 3,386,295, 6–4–68, Cl. 74—63.

Tomlinson, George H., to Domtar Ltd. Drying on air supported belt. 3,367,035, 2–6–68, Cl. 34—10.

Tomlinson, John M. D., to Tomlinsons (Rochdale) Ltd. Drive means for planetary napping device. 3,414,953, 12–10–68, Cl. 26—35.

Tomlinson, Richard H.: *See*—
Roncari, Alexander J. J., Whiteford and Tomlinson. 3,382,846.

Tomlinsons (Rochdale) Ltd.: *See*—
Tomlinson, John M. D. 3,414,953.

Tomota, Miyaji, to Kabushikaisha Yokogawa Denki Seisakusko (Yokogawa Electric Works, Ltd.) Electronic computing circuit. 3,373,271, 3–12–68, Cl. 235—193.

Tomota, Miyaji, K. Sasaoka, and A. Hashimoto, to Kabushikikaisha Yokogawa Denki Seisakusho (Yokogawa Electric Works Ltd.). DC constant-voltage device. 3,404,330, 10–1–68, Cl. 323—22.

Tompers, Kay C.: *See*—
Mack, Jules A., and Tompers. 3,404,212.

Tompkins, James F., Jr.: *See*—
Kleinberg, Sidney, and Tompkins. 3,399,036.

Tompkins, William A., to Imperial Chemical Industries Ltd. Low-torque multifilament compact yarn. 3,404,525, 10–8–68, Cl. 57—140.

Tompkins, William R., to Cohu Electronics, Inc. Constant current generator system. 3,372,343, 3–5–68, Cl. 330—17.

Tompkins, William R., and J. L. Kimball, to Cohu Electronics, Inc. Switching circuit. 3,373,298, 3–12–68, Cl. 307—256.

Tompkins, William S. Casing cleaning device. 3,381,754, 5–7–68, Cl. 166—170.

Tompos, Donald J.: *See*—
Bach, Richard E., and Tompos. 3,369,408.
Martin, Philip T., and Tompos. 3,396,275.

Tompson, Donald E.: *See*—
Henderson, Charles H., Vigneault, and Tompson. 3,403,240.

Toms, Maurice S. Color phosphor screen of the single gun variety. 3,361,918, 1–2–68, Cl. 313—92.

Toms River Chemical Corp.: *See*—
Illy, Hugo. 3,399,028.

Tomson, Arthur J.: *See*—
Passal, Frank, Tomson, and Doty. 3,413,295.

Tomter, Scott S., to Allis-Chalmers Mfg. Co. Electrochemical cell for separation of gaseous mixtures. 3,410,783, 11–12–68, Cl. 204—266.

Tonalea Enterprises, Inc.: *See*—
Perrine, Walter E. 3,399,597.

Tonami, Hitoshi, Y. Uchida, and T. Fujii, to Teijin Ltd. Process for preparation of viscose regenerated cellulose fibers. 3,381,075, 4–30–68, Cl. 264—193.

Tonami, Nobuo: *See*—
Watanabe, Hiroshi, Tonami, T. Watanabe, and Nanba. 3,361,845.

Tondato, Carlo, to Firgat S.n.c. Rubber-metal spring device. 3,416,783, 12–17–68, Cl. 267—33.

Tone, Richard N. Stake for concrete form. 3,401,612, 9–17–68, Cl. 94—51.

Tonedachi, Masayuki: *See*—
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Toner, Darell D.: *See*—
Roberts, Charles B., and Toner. 3,413,242.

Tong, Duncan. Molded receptacle for flowers. 3,368,303, 2–13–68, Cl. 47—41.12.

Tong, Duncan. Integrally molded flower holder. 3,374,575, 3–26–68, Cl. 47—41.12.

Tong, Long S., and R. T. Berringer, to Westinghouse Electric Corp. Fuel assembly for nuclear reactors. 3,395,077, 7–30–68, Cl. 176—78.

Tong, Stanley R.: *See*—
Rietema, Simon P., and Tong. 3,362,600.

Tongue, Ben H., to Blonder-Tongue Laboratories, Inc. Wide band transistor amplifier. 3,413,563, 11–26–68, Cl. 330—27.

Tongyai, Singkata, L. K. Schuster, and W. A. Blum, to Pennsalt Chemicals Corp. Coating metal. 3,382,111, 5–7–68, Cl. 148—6.16.

Tonies, Lawrence A., to Mangood Corp. Weighing and identification system. 3,393,757, 7–23–68, Cl. 177—3.

Tonik, Albert B.: *See*—
Spandorfer, Lester M., Tonik, and Even. 3,407,357.

Tonjes, Burl D., to D. S. Brown Co. Machine for inserting elongated laterally compressible strips in concrete joints, and the like. 3,368,465, 2–13–68, Cl. 94—39.

Tonjes, Burl D., to Gilson Screen Co. Pulsatory screening device. 3,410,408, 11–12–68, Cl. 209—287.

Tonjes, Burl D., and R. A. Cline, to Gilson Screen Co. Quick clamping and articulated positive release for a tier of screen frames. 3,367,498, 2–6–68, Cl. 209—319.

Tonjum, John A.: *See*—
Brown, Frank M., Tonjum, and Tribbett. 3,393,809.

Tonka Corp.: *See*—
Pauly, Ronald R., and Zbikowski. 3,380,696.
Zbikowski, Theodore H., and Jensen. 3,385,283.

Tonken, Helen W.: *See*—
Wenzel, John S. 3,400,533.

Tonkin, Charles A., to Nagata Seiki Co. Ltd. Seamless hosiery machine. 3,370,442, 2–27–68, Cl. 66—55.

Tonkin, Kenneth J., and J. P. Gallagher, to A. B. Dick Co. Automated control system and apparatus for offset duplicating machine. 3,412,676, 11–26–68, Cl. 101—144.

Tonne, Ronald C., to Richardson Mfg. Co., Inc. Hitch structure for agricultural implements. 3,367,678, 2–6–68, Cl. 280—411.

Tonnelline, Charles F. Clamping collar. 3,413,693, 12–3–68, Cl. 24—284.

Tonnessen, Alfred G., to Electronic Associates, Inc. Fuse-test for coefficient potentiometers. 3,407,293, 10–22–68, Cl. 235—193.

Tonnessen, Alfred G., to Electronic Associates, Inc. Amplifier system for compensation of undesired capacitance and resistance effects. 3,412,842, 11–19–68, Cl. 330—76.

Tonozzi, Joseph A., and J. G. Shanholtzer. Safety ski binding. 3,367,672, 2–6–68, Cl. 280—11.35.

Toogood & Jones Ltd.: *See*—
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Tooke, James W., to Phillips Petroleum Co. Engine fuel additives. 3,397,969, 8–20–68, Cl. 44—57.

Tookey, James R.: *See*—
Fabish, Edward F., and Tookey. 3,393,478.

Toolmaster Ltd.: *See*—
Hallewell, Raymond T. 3,415,635.

Toomey, Myron D., to General Electric Co. Mounting of blades in turbomachine rotors. 3,378,230, 4–16–68, Cl. 253—77.
Toops, Emory E., Jr., and R. S. Egly, to Commercial Solvents Corp. Process for producing nitrohydrocarbons. 3,378,596, 4–16–68, Cl. 260—644.
Top Flite Models, Inc.: *See*—
Axelrod, Sidney. 3,388 651.
Top Form-Yolande, Inc.: *See*—
Eller, Dale L., and Barton. 3,367,651.
Top-Scor Products, Inc.: *See*—
Landfried, Bert W., and Moneymaker. 3,362,829.
Landfried, Bert W., and Rapaport. 3,379,535.
Topaz, Jeremy M.: *See*—
Biber, Conrad H., and Topaz. 3,413,066.
Toper, Walter B.: *See*—
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Topham, Leland W., to Parker-Hannifin Corp. Simulator for air speed meter with electronically-controlled servo valve. 3,382,312, 5–7–68, Cl. 35—10.2.
Topinka, George F., to FMC Corp. Waste disposal unit. 3,389,-864, 6–25–68, Cl. 241—141.
Topliffe, Doris H. Folding ironing board and cabinet. 3,397,-472, 8–20–68, Cl. 38—104.
Topliss, John G., to Schering Corp. Substituted dibenzodiazocines. 3,409,608, 11–5–68, Cl. 260—239.3.
Topliss, John G., N. Sperber, and A. A. Rubin, to Schering Corp. Novel therapeutic compounds and processes for their manufacture. 3,361,816, 1–2–68, Cl. 260—556.
Topol, George J. Fuse filter with water sensitive valve closure trigger. 3,367,503, 2–6–68, Cl. 210—96.
Topol, George J., and J. G. Vattay, to Bowser, Inc. Moisture sensing valve means for fuse filter. 3,406,827, 10–22–68, Cl. 210—96.
Topol, George J., and B. A. Hinkle, to Bowser, Inc. Differential pressure indicator. 3,412,706, 11–26–68, Cl. 116—70.
Topouzian, Armenag: *See*—
Paluszny, Antoni, and Topouzian. 3,401,741.
Topouzian, Armenag, to Ford Motor Co. Disc type rotary heat exchanger. 3,391,727, 7–9–68, Cl. 165—9.
Topouzian, Armenag, to Ford Motor Co. Spirally wound rotary heat exchanger having barrel center mount. 3,392,776, 7–16–68, Cl. 165—8.
Topp, Wilhelm F. Roof ventilator with nozzled domed end. 3,404,619, 10–8–68, Cl. 98—42.
Topper Tools Inc.: *See*—
Wilhoyte, Howard J. 3,383,776.
Topsoe, Haldor, and G. Thareau, to Societe Nationale des Petroles d'Aquitaine. Process for obtaining sulfuric acid. 3,374,061, 3–19–68, Cl. 23—167.
Tor Developments, Inc.: *See*—
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Torano Limitee: *See*—
Bilocq, Georges A. 3,417,854.
Torbin, Milton A.: *See*—
Berger, Morris M., Blumenfeld, and Torbin. 3,399,165.
Torcaso, Michael A.: *See*—
Acheson, Willard P., and Torcaso. 3,417,829.
Torcheux, Emile L. G.: *See*—
Honore, Etienne A. H., and Torcheux. 3,392,389.
Torgerson, Lars B., and W. S. E. Hentschel, to Aktiebolaget Fenom. Container provided with a lid. 3,391,850, 7–9–68, Cl. 229—43.
Torgesen, John L., and H. S. Peiser, to United States of America, Commerce. Method and apparatus for growing single crystals of slightly soluble substances. 3,371,036, 2–27–68, Cl. 252—1.
Torick, Emil, and A. Kaiser, to Columbia Broadcasting System, Inc. Control circuit for restricting instantaneous peak levels of audio signals. 3,398,381, 8–20–68, Cl. 382—19.
Torigai, Eichi, G. Okuno, and H. Maekawa. Method and bath for chemically plating copper. 3,377,174, 4–9–68, Cl. 106—1.
Torigai, Eiichi, G. Kondo, and G. Okuno. Method and bath for chemically plating copper. 3,392,035, 7–9–68, Cl. 106—1.
Torigian, Puzant C., to Tobaccoless Smokes, Inc. Modular control dryer. 3,367,043, 2–6–68, Cl. 34—193.
Torii, Tatsumi: *See*—
Asano, Tadao, and Torii. 3,408,118.
Torii, Yasunosuke, to Tokyo Shibaura Electric Co., Ltd. Control system for driving motors of electric cars. 3,369,-162, 2–13–68, Cl. 318—111.
Torisu, Ryokichi. Telephone subscriber line concentrating system. 3,389,229, 6–18–68, Cl. 179—18.
Torit Corp., The: *See*—
Mackey, Kenneth J. 3,387,433.
Torley, Robert E., and G. S. Sprague, to American Cyanamid Co. Triaminoguanidinium salts of 5-vinyltetrazole polymers and a method for their preparation. 3,397,186, 8–13–68, Cl. 260—78.4.
Tormolen, Hans H. Transmission mechanism. 3,394,620, 7–30–68, Cl. 74—752.
Tornoe, John A., R. A. Marotto, and D. Hegedus, to Schlage Lock Co. High security lock. 3,390,558, 7–2–68, Cl. 70—107.
Tornoe, John A., and R. A. Marotto, to Schlage Lock Co. Adjustable circular strike. 3,392,998, 7–16–68, Cl. 292—341.18.
Tornqvist, Erik, to Esso Research and Engineering Co. Preparation of polyalkenyl aromatic hydrocarbons from aromatic hydrocarbons and diolefins. 3,373,216, 3–12–68, Cl. 260—668.
Tornqvist, Erik G. M.: *See*—
Seelback, Charles W., Tornqvist, and Langer. 3,403,197.
Toro, Joseph A.: *See*—
Brown, Donald R., Mellon, and Toro. 3,364,567.
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Hunter, Edwin J. 3,367,353.
Hunter, Edwin J. 3,381,677.
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Rubin, Robert M. 3,367,459.
Speiser, Ralph W. 3,410,068.
Torobin, Leonard B., to Esso Research and Engineering Co. Process for crystallization. 3,364,690, 1–23–68, Cl. 62—58.
Toro-Goyco, Efrain, and M. L. Matos, to United States of America Administrator of Veterans Affairs and/or Secretary of the Army. Dry solid proteolytic enzyme isolated from pinguinain. 3,384,552, 5–21–68, Cl. 195—62.
Torok, Andrew, to Georgia Kaolin Co. Modified montmorillonite containing exchangeable ammonium cations and preparation thereof. 3,408,305, 10–29–68, Cl. 252—317.
Torok, Julius J.: *See*—
Cozine, Harold E., and Torok. 3,364,004.
Eyles, Thomas E., and Torok. 3,364,003.
Toromanoff, Edmond: *See*—
Martel, Jacques, Toromanoff, and Huynh. 3,396,188.
Toronchuk, Jack P., to Atomic Energy of Canada Ltd. Fluid mounted shaft seal. 3,363,910, 1–16–68, Cl. 277—5.
Torongo, Albert H., Jr.: *See*—
Earnest, Frank W., III, and Torongo. 3,374,541.
Stockman, Robert J., Junker, Hoyt, and Torongo. 3,404,-805.
Torongo, Albert H., Jr., McKesson & Robbins Inc. Combination closure and liquid metering dispenser for squeeze bottles. 3,402,860, 9–24–68, Cl. 222—207.
Toronto Star Ltd.: *See*—
Blair, George S., Shaw, and Maishlish. 3,406,810.
Torp, Egil O. S., to Karlbom, Ingenjorsfirma G., AB. Packing means for conduits. 3,415,285, 12–10–68, Cl. 138—94.3.
Torpey, William A.: *See*—
Bartles, Edward C., and Torpey. 3,411,683.
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Askey, Arthur. 3,381,567.
Torrance, Gordon A., to Jervis B. Webb Co. Sprocket construction for conveyor chains. 3,390,642, 7–2–68, Cl. 104—172.
Torrance Machinery and Engineering, Inc.: *See*—
Babbitt, Charles A. 3,417,591.
Torrance Specialty Fixtures, Inc.: *See*—
Babbitt, Charles A. 3,417,591.
Torrence, James D.: *See*—
Patterson, Warren R., and Torrence. 3,384,312.
Torrens, Robert L. Method of making artificial snow. 3,393,529, 7–23–68, Cl. 62—121.
Torres, Jorge, to Purolator Products, Inc. Fluid coupling with vacuum assisted valve elements. 3,380,476, 4–30–68, Cl. 137—614.05.
Torres, Ruben H. Reproportioning machine. 3,374,724, 3–26–68, Cl. 95—75.
Torres, Ruben H., to The Headliners International, Inc. Reproportioning machine. 3,374,734, 3–26–68, Cl. 95—75.
Torresen, Robert: *See*—
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Conklin, Robert M., Torresen, and Gretzky. 3,401,933.
Torrey, Anthony J. Combination cleaning fluid nozzle and hydraulically operated hopper for refuse collecting apparatus. 3,372,875, 3–12–68, Cl. 239—129.
Torrington Co., The: *See*—
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Benson, Carl F., and Cowles. 3,404,760.
Bowen, Willard L., III. 3,370,898.
Cowles, John H., and White. 3,368,855.
Crowe, Kenneth G. 3,401,870.
Crowe, Kenneth G. 3,401,871.
Dory, Edmund E. 3,394,704.
Fisher, Walter. 3,395,956.
Herpich, William M. 3,411,396.
Herpich, William M. 3,411,555.
Herpich, William M. 3,418,869.
Horne, Charles E. 3,404,926.
Murphy, William W. 3,414,341.
Panicci, Richard L. 3,400,811.
Shepard, Richard W. 3,369,379.
Torrington Mfg. Co., The: *See*—
Cavagnero, Erman V. 3,402,584.
Cavagnero, Erman V., Maciorowski, and Skilton. 3,365,-775.
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Foote, Philip H., Jr. 3,409,337.
Glucksman, Dov Z. 3,415,443.
Renton, Robert I. 3,409,489.
Torrisi, Carmelo. Hand-towable boat trailer. 3,379,452, 4–23–68, Cl. 280—63.
Torrye, George W.: *See*—
Holmes, John L., Torrye, Spino, and Vargas. 3,386,283.
Torsiello, Joseph, and L. Reiss, deceased (by R. L. Kirschner, executrix), to Micro Vend, Inc. Food dispensing machine. 3,416,429, 12–17–68, Cl. 99—327.
Torti, Liuigi: *See*—
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Torudd, Stig E. S. Method of manufacturing packages. 3,372,077, 3–5–68, Cl. 156—198.

Torwegge, Helmut. Device for applying glue to the edges of plate-like workpieces, such as veneers or the like. 3,408,979, 11–5–68, Cl. 118—8.
Torwegge, Helmut. Device for machining the longitudinal edges of plate-shaped workpieces of different widths. 3,412,768, 11–26–68, Cl. 144—114.
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Christian, Rodney E. 3,402,755.
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Treharne, Richard W., and C. K. McKibben, to Charles F. Kettering Foundation. Direct reading, wavelength independent radiometer employing a pyroelectric crystal detector. 3,398,281, 8–20–68, Cl. 250—83.3.

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Trepanier, Donald L., to The Dow Chemical Co. 3,4,5,6-tetrahydro - 2 - keto - 6 - phenyl-4,4,5-trimethyl-2H-1,3,4-oxadiazinium halides. 3,378,556, 4–16–68, Cl. 260—244.

Trepanier, Donald L., to The Dow Chemical Co. 5,6-dihydro-2 - (substituted) - 6 - phenyl - 3,4,5 - trimethyl - 4H - 1,3,4-oxadiazinium halides. 3,397,201, 8–13–68, Cl. 260—244.

Trepanier, Donald L., to The Dow Chemical Co. 1-phenyl-2-dialkylaminoalkyl-1,3-propanediols. 3,409,672, 11–5–68, Cl. 260—570.6.

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Trepka, William J., to Phillips Petroleum Co. Tin modified lithium aromatic catalyst and process for polymerizing butadiene. 3,400,114, 9–3–68, Cl. 260—94.3.

Trepka, William J., and C. A. Uraneck, to Phillips Petroleum Co. Polymerization of 1,3-butadiene using an organometal as first component, a second component comprised of titanium and iodine with a group IV–B metal halide. 3,375,239, 3–26–68, Cl. 260—94.3.

Trepka, William J., and R. J. Sonnenfeld, to Phillips Petroleum Co. Process for polymerizing butadiene and isoprene using subatituted phenyllithium catalysts. 3,393,189, 7–16–68, Cl. 260—94.2.

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Treppa, Thomas J., F. J. Truison, and R. B. Allured, to General Motors Corp. Method and means for testing welding equipment. 3,389,239, 6–18–68, Cl. 219—110.

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Tresemer, Howard G., to National Lock Co. Magnetic catch assembly. 3,414,309, 12–3–68, Cl. 292—251.5.

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Treu, Alexander P., to Northern Electric Co. Ltd. Distortion reducing circuit. 3,365,674, 1–23–68, Cl. 330—149.

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Treude, Gunter, and H. Munster, to Kienzle Apparate G.m.b.H. Computer identification circuit arrangement for accounting operation. 3,363,237, 1–9–68, Cl. 340—172.5.

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Trevathan, Walter E., to Walter Trevathan Corp. Bit means. 3,374,696, 3–26–68, Cl. 77—69.

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Grimm, James J., and Trumbull. 3,375,783.

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Tu, Shu-Tung, to United Shoe Machinery Corp. Manufacture of strong fibrous material. 3,362,849, 1–9–68, Cl. 117—140.

Tubau Quintana, Juan. Selvedge forming means in looms weaving two fabrics simultaneously. 3,376,899, 4–9–68, Cl. 139—54.

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Tucker, Council A. Positive feed advancing mechanism. 3,394,599, 7–30–68, Cl. 74—25.

Tucker, Council A., and J. L. Perrin. Apparatus for sequentially dispensing rolls of strip material. 3,381,909, 5–7–68, Cl. 242—55.3.

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Tucker, Emmitt M. Traction wheel comprising a paddle unit enclosed in a flexible envelope. 3,370,889, 2–27–68, Cl. 301—41.

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Tucker, Harold H., to Lowenstein Dyes & Cosmetics, Inc. Stabilized oxidation dye compositions. 3,415,608, 12–10–68, Cl. 8—10.2.

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Brudney, Harry, and Turshen. 3,399,488.

Turtle, Quentin C.: *See*—
Cola, Pasco A., and Turtle. 3,377,855.

Turtle, Quentin C., to General Signal Corp. Telemetering. 3,417,390, 12–17–68, Cl. 340—207.

Turton, Walter, to J. P. Stevens & Co., Inc. Fabric constructions. 3,381,502, 5–7–68, Cl. 66—192.

Turumaru, Takesi, M. Yotsuzuka, and K. Ogino, to Takeda Chemical Industries, Ltd. Stabilized polyoxyalkylene polyols. 3,377,385, 4–9–68, Cl. 260—611.5.

Turumaru, Takesi, M. Yotsuzuka, and K. Ogino, to Takeda Chemical Industries, Ltd. Stabilization of polyoxyalkylene polyols with ascorbic acid type stabilizer. 3,415,891, 12–10–68, Cl. 260—611.5.

Turunen, John R., to General Motors Corp. Joint. 3,360,963. 1–2–68, Cl. 64—13.

Turunen, William A., to General Motors Corp. Rotary regenerator. 3,382,915, 5–14–68, Cl. 165—9.

Turzillo, Lee A. Method and apparatus for anchoring a tie-down bar in an earth situs. 3,363,422, 1–16–68, Cl. 61—53.66.

Turzillo, Lee A. Method of protecting or repairing scoured areas of a situs. 3,383,864, 5–21–68, Cl. 61—38.

Turzillo, Lee A., and N. L. Liver. Method of making water-sealing pile barrier around an excavation cut-off area. 3,410,095, 11–12–68, Cl. 61—35.

Tuschak, Bernard J.: *See*—
Case, Noel L., and Tuschak. 3,400,667.

Tushaus, Leonard A.: *See*—
Slagel, Robert C., and Tushaus. 3,397,175.

Tushie, John E.: *See*—
Ito, Wallace H., and Tushie. 3,362,658.

Tuskegee Institute: *See*—
Cason, Louis F. 3,376,340.

Tussing, Ronald B., to United States of America, Navy. Multichannel calibration circuit for generating a step-wave output voltage. 3,365,588, 1–23–68, Cl. 307—264.

Tutert, Herman, and S. Voelcker, to Siemens Aktiengesellschaft. Code comparison system for setting a type roller. 3,366,214, 1–30–68, Cl. 197—48.

Tuthill, Edward G.: *See*—
Gallagher, Donald C., Haerther, Middleton, and Tuthill. 3,400,402.

Tuthill Pump Co.: *See*—
Richardson, William D., Bangs, and Schanzlin. 3,393,703.

Tutsch, Erhard: *See*—
Rafael, Hans, and Tutsch. 3,377,128.

Tutt, Jimmie W. and W. G., ⅓ interest to B. L. Todd. Vending machine having a package anti-jamming assembly. 3,409,108, 11–5–68, Cl. 194—1.

Tutt, Walton G.: *See*—
Tutt, Jimmie W. and W. G. 3,409,108.

Tutthill, Fred E., to American Crucible Products Co. Pressure responsive liquid level pump control. 3,366,759, 1–30–68, Cl. 200—83.

Tuttle Press Co., The: *See*—
Bayer, Sylvester L. 3,412,853.

Tuttle, Robert N.: *See*—
Hamby, Tyler W., Jr., Richardson, and Tuttle. 3,385,363.

Tuttle, Robert N., to Shell Oil Co. Method of preventing hydrate formation in petroleum well production strings. 3,372,753, 3–12–68, Cl. 166—45.

Tuttle, Robert S.: *See*—
Osborne, Fred H., and Tuttle. 3,393,915.

Tuttle, Wainwright, to Altamil Corp. Foundry mold conveying apparatus with pneumatic diaphragm clamping means. 3,397,737, 8–20–68, Cl. 164—327.

Tutton, Ralph C., to Conch International Methane Ltd. Regasifying liquefied natural gas by heat exchange with fractionator overhead streams. 3,367,122, 2–6–68, Cl. 62—28.

Tuvell, Melvin E., to Monsanto Co. Built liquid detergent compositions. 3,368,977, 2–13–68, Cl. 252—137.

Tuvell, Melvin E., to Monsanto Co. Alkaline earth metal hydroxylapatites, processes for preparing the same and compositions containing the same. 3,379,541, 4–23–68, Cl. 106—38.27.

Tuwiner, Sidney B. Colorimetric testing device. 3,381,572, 5–7–68, Cl. 88—14.

Tuzson, John: *See*—
Underwood, Herbert N., Moochhala, and Tuzson. 3,388,856.

Tvedt, Thorwald J., to Shell Oil Co. Remote switching circuit for seismometers. 3,411,604, 11–19–68, Cl. 181—.5.

Tveit, Theodore J., to Barber-Colman Co. Thermostatic transducer for winter and summer operation. 3,377,545, 4–9–68, Cl. 323—19.

Tveten, John L.: *See*—
Wesselhoft, Robert D., Winegartner, Wadley, and Tveten. 3,380,954.

Tveter, Elmer C.: *See*—
Olson, Robert S., Tveter, Suris, and Shaw. 3,375,060.

Tveter, Richard S.: *See*—
Himmelstein, Sydney, Knaack, and Tveter. Re. 26,501.

Tweed, Donald G., to Bourns, Inc. Viscous liquid level control system. 3,415,268, 12–10–68, Cl. 137—209.

Tweed, Donald G., and J. R. Jungblut, to Bourns, Inc. Variable resistor indicating and locking device. 3,402,693, 9–24–68, Cl. 116—115.

Tweedale, Ralph L., to Massey-Ferguson Inc. Mounting for material handling masts. 3,405,824, 10–15–68, Cl. 214—138.

Tweedale, Ralph L., to Massey-Ferguson, Inc. Material handling boom having straight line motion. 3,412,880, 11–26–68, Cl. 214—138.

Tweedle, William: *See*—
Whittaker, Jack D., Loveday, Barbour, Tweedle, and Dryden. 3,395,458.

Tweet, David E., to Cargill, Inc. Solventless coating vehicle and process for preparing it. 3,392,176, 7–9–68, Cl. 260—404.8.

Twen Inc.: *See*—
Perkins, Newton B. 3,385,049.

Twentieth Century Mfg. Co.: *See*—
Peterson, Clemens E. 3,394,332.

Twentieth Century Products Corp.: *See*—
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Twickler, George H., to Stowe-Woodward, Inc. Bowling ball. 3,364,607, 1–23–68, Cl. 40—327.

Twidale, William H., to Massey-Ferguson Ltd. Earth working implement. 3,362,483, 1–9–68, Cl. 172—311.

Twietmeyer, Theodore J. Decoder switch for coded electric circuits. 3,363,069, 1–9–68, Cl. 200—45.

Twiford, Robert J.: *See*—
Bolster, William J., Goggins, and Twiford. 3,402,666.

Twigg, Robert W.: *See*—
Larsson, Robert T., and Twigg. 3,362,863.

Twilley, Ian C., to Allied Chemical Corp. Polyamide-polyester dispersions wherein the polyamide is less than 40% amine terminated. 3,369,057, 2–13–68, Cl. 260—857.

Twilley, Ian C., to Allied Chemical Corp. Terpolymers of e-caprolactam, m-xylenediamine, and a dicarboxylic acid. 3,386,964, 6–4–68, Cl. 260—78.

Twilley, Ian C., to Allied Chemical Corp. Poly capro amide having excess number of carboxyl end groups over amino end groups. 3,386,967, 6–4–68, Cl. 260—78.

Twin Cities Container Corp.: *See*—
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Smith, Richard K. 3,386,567.

Twin Disc, Inc.: *See*—
Aschauer, George R. 3,362,511.
Aschauer, George R. 3,373,853.
Aschauer, George R. 3,405,526.
Hilpert, Conrad R. 3,368,656.
Hilpert, Conrad R., and Black. 3,403,763.
Schneider, Raymond C. 3,360,935.
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Steinhagen, Horst G. 3,369,639.
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Yokel, Edward C. 3,361,238.

Twiss, Frank: *See*—
Cast, James N., Horning, and Twiss. 3,374,467.

Twitchell, Henry D., Jr., to Radio Corp. of America. Multipurpose electrical connector for use with AC and/or DC receptacles. 3,391,262, 7–2–68, Cl. 200—51.02.

Twitchett, Harry J.: *See*—
Ibbotson, Arthur, and Twitchett. 3,413,319.

Twomey, E. F., Co., Inc.: *See*—
Twomey, Edgar F., Jr., and Robbins. 3,414,455.

Twomey, Edgar F., Jr., and J. W. Robbins, to E. F. Twomey Co., Inc. Radiant energy reflective and translucent structures of fiber-reinforced plastics. 3,414,455, 12–3–68, Cl. 161—6.

Twomey, Thomas J., to General Electric Co. Insulated clamping means for laminated magnetic core. 3,410,121, 11–12–68, Cl. 336—210.

Tyas, Karl: *See*—
Firestein, Harry, Tyas, and Freeman. 3,377,971.

Tybring, Leif, to Lovens Kemiske Fabrik Produktionsaktieselskab. Progressive dilution series apparatus. 3,406,635, 10–22–68, Cl. 103—149.

Tyburski, Robert M., and R. F. Springer, to Farrington Electronics, Inc. Document handling apparatus. 3,415,509, 12–10–68, Cl. 271—45.

Tyco Laboratories, Inc.: *See*—
Mlavsky, Abraham I. 3,414,603.

Tyjewski, Cezar. Combination fishline float and fishhook removal tool. 3,397,479, 8–20–68, Cl. 43—44.95.

Tyler-Cat, Inc.: *See*—
Tyler, Terry E. 3,361,221.

Tyler Co., The: *See*—
Murphy, Francis A. 3,396,497.

Tyler, Hugh J., to Robertshaw Controls Co. Control device and parts therefor or the like. 3,367,574, 2–6–68, Cl. 236—99.

Tyler, Hugh J., and D. G. Wolfe, to Robertshaw Controls Co. Electrical terminal having a tension loop therein. 3,410,-972, 11–12–68, Cl. 200—166.

Tyler, John B.: *See*—
Morrell, Peter W., Mainwaring, and Tyler. 3,394,328.

Tyler, Kenneth R.: *See*—
Lindholm, Frank J., Tyler, and Tremper. 3,362,321.

Tyler, Robert C.: *See*—
Smith, Roy D., and Tyler. 3,393,475.

Tyler, Stanley R. Vehicle dynamic braking systems. 3,362,660, 1–9–68, Cl. 244—75.

Tyler, Stanley R., to Dowty Fuel Systems Ltd. Liquid fuel supply system for gas turbine engines. 3,391,541, 7–9–68, Cl. 60—235.

Tyler, Stanley R., to Dowty Fuel Systems Ltd. Fuel supply system for gas turbine engines. 3,411,291, 11–19–68, Cl. 60—39.28.

Tyler, Terry E., to Tyler-Cat, Inc. Track laying attachment for vehicle. 3,361,221, 1–2–68, Cl. 180—9.5.

Tyler, Truman V., to Sierra-Financial Corp. Fluid flow control device. 3,374,957, 3–26–68, Cl. 241—33.

Tyler, William E., III., to Esso Research and Engineering Co. Nitrate esters of difluoroamino alkyl ethers. 3,366,665, 1–30–68, Cl. 260—467.

Tylle, John A. Power animated ornament. 3,367,051, 2–6–68, Cl. 40—106.32.

Tyma, Louis S.: *See*—
Kirkus Ludwig, and Tyma. 3,395,638.

Tyner, David A., to G. D. Searle & Co. 3-Methoxyspiro[estra-1,3,5(10)triene-16.1′-cyclopropan]-17β-ols. 3,404,149, 10–1–68, Cl. 260—239.5.

Tyng, Arthur S., to Western Electric Co., Inc. Wire feed control apparatus. 3,368,772, 2–13–68, Cl. 242—82.

Typke, Jurgen, to Telefunken Patentverwertungs-G.m.b.H. Current limiting for power supply switching transistors. 3,361,955, 1–2–68, Cl. 323—22.

Tyree, Donald, and E. Seubert. Expansible camper. 3,411,-819, 11–19–68, Cl. 296—23.

Tyrer, James W. Molding and partition assembly system. 3,387,418, 6–11–68, Cl. 52—242.

Tyrner, Joseph M., to Allied Chemical Corp. Flat film die. 3,360,823, 1–2–68, Cl. 18—12.

Tyrrell, Cyril M., Sr., and C. M. Tyrrell, Jr. Shoelace anchor. 3,418,733, 12–31–68, Cl. 36—50.

Tyrrell, Frederick S., to National Distillers and Chemical Corp. Blown polypropylene tubular films. 3,381,717, 5–7–68, Cl. 138—137.

Tyrrell, John M.: *See*—
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Tyson, Charles W., Jr.: *See*—
Epperly, William R., and Tyson. 3,372,108.

Tyson, Donald F. Auxiliary heating apparatus. 3,417,920, 12–24–68, Cl. 237—12.3.

Tytgath, Georges. Bobbin holder for fastening yarn bobbins to the bobbin creel of contents to be spun. 3,400,899, 9–10–68, Cl. 242—130.2.

UCB (Union Chimique-Chemische Bedrijiven) S.A.: *See*—
Giurgea, Cornellu. 3,380,887.
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U-C-Lite Mfg. Co.: *See*—
Livingston, John D. 3,418,487.

U.G.C. Industries, Inc.: *See*—
Greene, George J., Jr. 3,413,650.

UGC Instruments, Inc.: *See*—
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UMC Industries, Inc.: *See*—
Huber, John A., and Baringer. 3,398,589.
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URS Corp.: *See*—
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U.S. Baird Corp., The: *See*—
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U.S. Industries, Inc.: *See*—
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U.S. Plywood-Champion Papers Inc.: *See*—
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Hoffmann, Reuben F. 3,396,064.
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Vassiliades, Anthony E. 3,418,250.

U.S. Polymatrix, Inc.: *See*—
Borts, Jack D. 3,379,462.

U.S. Stoneware, Inc.: *See*—
Eckert, John S. 3,419,251.
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UTITA Officine e Fonderie di Este: *See*—
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Uarco Inc.: *See*—
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Ube Industries, Ltd.: *See*—
Suzukawt, Yuichi, Kanoo, Miyazaki, and Saito. 3,417,978.
Takeshima, Takahiko. 3,393,837.

Uberbacher, Edward C., to International Business Machines Corp. High density connector package. 3,399,372, 8–27–68, Cl. 339—17.

Uberti, Gene. Tool tip sharpening device. 3,388,503, 6–18–68, Cl. 51—33.

Ubukata, Susumu, Y. Mizutani, H. Kusakawa, and I. Yoshida, to S. Ubukata. Time delay switches utilizing conductive liquids. 3,377,445, 4–9–68, Cl. 200—33.

Ucci, Pompelio A. Preparation of dyeable acrylonitrile polymer fibers using 4,4′ diaminostilbene-2,2′-disulfonic acid. 3,380,798, 4–30–68, Cl. 8—100.

Ucci, Pompelio A., to Monsanto Co. Preparation of dyeable acrylic fibers and filaments. 3,402,014, 9–17–68, Cl. 8—100.

Uchida, Isamu. Coin counting and wrapping machine. 3,416,-290, 12–17–68, Cl. 53—78.

Uchida, Isamu. Coin counting and wrapping machine. 3,416,-291, 12–17–68, Cl. 53—78.

Uchida, Kenji: *See*—
Gomes, John M., Baker, and Uchida. 3,373,097.

Uchida, Kinji: *See*—
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Uchida, Kozo. Clip. 3,362,052, 1–9–68, Cl. 24—253.

Uchida, Michio: *See*—
Omoto, Tokushichi, Uchida, Ogata, Fukakusa, T. and K. Saito, Imoto, Yokoyama, and Katagiri. 3,399,098.

Uchida, Motokazu: *See*—
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Uchida, Shuji: *See*—
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Uchida, Teiji, to Nippon Electric Co., Ltd. Monochromatic optical maser. 3,402,365, 9–17–68, Cl. 331—94.5.

Uchida, Yoichi: *See*—
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Uchida, Yoshihisa: *See*—
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Uchikoshi, Goji. Reversible magnetic tape recorder with independent head and drive means for selective use with one or two tapes. 3,415,956, 12–10–68, Cl. 179—100.2.

Uchiumi, Hiroyuki: *See*—
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Uchiyama, Hiroshi: *See*—
Kitagawa, Hideji, Kinoshita, and Uchiyama. 3,397,944.

Uchiyama, Yoichi. Slidably mounted perforated sheets. 3,364,-841, 1–23–68, Cl. 98—96.

Uchiyama, Yoshio, Y. Arima, K. Taniguchi, N. Sato, and M. Asada, to Nippon Soda Kabushiki Kaisha. Diloweralkyl acetamidoethyl phosphorodithioates. 3,382,300, 5–7–68, Cl. 260—944.

Udagawa, Kiyoshi, and M. Kohata, to Kyowa Hakko Kogyo Co., Ltd. Process for producing L-glutamic acid. 3,411,990, 11–19–68, Cl. 195—47.

Udall, Anthony J. S., to Electric & Musical Industries Ltd. Electric analogue integrating and differentiating circuit arrangements. 3,404,262, 10–1–68, Cl. 235—183.

Udall, Anthony J. S., to Electric & Musical Industries Ltd. Electrical smoothing circuits. 3,406,348, 10–15–68, Cl. 328—165.

Udall, Humfrey N.: *See*—
Oppenheimer, Edgar D., and Udall. 3,369,479.

Uddeholms Aktiebolag: *See*—
Jansson, Elis. 3,399,003.
Tiganik, Leonhard. 3,406,211.

Uddenberg, Goran O., to Aktiebolaget Vacuum-Extractor. Device to create and automatically maintain a predetermined gas excess pressure in cavities. 3,414,011, 12–3–68, Cl. 137—510.

Ude, Vernon R. Hand truck. 3,377,081, 4–9–68, Cl. 280—47.27.

Udell, Ronald S.: *See*—
Searcy, Edgar L. and F. A. 3,390,864.

Uden, Gilford E.: *See*—
Kageorge, Pedro W., and Uden. 3,370,814.

Udenfriend, Sidney, A. Sjoerdsma, and S. Spector, to United States of America, Health, Education and Welfare. Tyrosine tranquilizing compositions and methods of treatment. 3,362,879, 1–9–68, Cl. 167—65.

Udvarnoki, Bela, Jr.: *See*—
Parker, Earl E., and Udvarnoki. 3,367,994.

Udy, Lex L.: *See*—
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Clay, Robert B., Udy, and Bailey. 3,367,805.
Collins, Thomas K., Clay, and Udy. 3,361,023.

Udy, Lex L., R. B. Clay, and W. N. Bryan, to Intermountain Research & Engineering Co., Inc. System for producing a blended fluid explosive composition. 3,378,235, 4–16–68, Cl. 259—8.

Udy, Mary S.: *See*—
Themelis, Nicholas J., Olds, and Udy. 3,385,494.

Udy, Murray C.: *See*—
Olds, Leonard E., Udy, and Wesel. 3,389,957.
Themelis, Nickolas J., Olds, and Udy. 3,385,494.

Udylite Corp., The: *See*—
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Fenoglio, Charles E., and Koltuniak. 3,374,427.
Fenoglio, Charles E., and Koltuniak. 3,383,303.
Koltuniak, Michael A. 3,417,008.
Koltuniak, Michael A., and Fenoglio. 3,386,024.
Koltuniak, Michael A., and Urquhart. 3,396,780.

Uebel, Gerhard R. and P. R. Recorder flute. 3,363,498, 1–16–68, Cl. 84—384.

Uebel, Peter R.: *See*—
Uebel, Gerhard R. and P. R. 3,363,498.

Uebel, Philipp, to H. Wacker & P. Wacker. Means for suppressing blows, shocks or vibrations in the operation of an apparatus such as a power driven hammer or tamper. 3,372,759, 3–12–68, Cl. 173—162.

Uebel, Philipp, to H. and P. Wacker. Manually guided motor driven working device. 3,410,145, 11–12–68, Cl. 74—40.

Ueberhagen, Fritz: *See*—
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Ueberle, Dieter: *See*—
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Uebing, Heinrich, to Kocks, Friedrich, Firma. Stretch forging machine. 3,374,654, 3–26–68, Cl. 72—189.

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Ueda, Hideo: *See*—
Yamamoto, Takashi, Kobayashi, Nakatomi, Takahashi, Ueda, and Kondo. 3,408,426.

Ueda, Hiroshi: *See*—
Niiho, Minoru, Ueda, Tokui, Nakajima, and Hamada. 3,363,035.

Ueda, Katsuhisa: *See*—
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Ueda, Keizo, T. Ohakwahara, and T. Kubo, to Kanegafuchi Boseki Kabushiki Kaisha. Process for producing ω,ω-diaminoalkanes. 3,412,156, 11–19–68, Cl. 260—583.

Ueda, Kenichi: *See*—
Komatsu, Kouei, Nishiyama, Shigeyuki, Yasunaga, and Ueda. 3,384,630.

Ueda, Kenichi, H. Yasunaga, K. Komatsu, and J. Hirota, to Japan Synthetic Rubber Co., Ltd. Method of producing cis-1,4 polybutadiene. 3,419,539, 12–31–68, Cl. 260—94.3.

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Ueda, Takeo, to Maruzen Kasei Co. Ltd. Glycyrrhetinic acid esters and the method of preparation thereof. 3,405,152, 10–8–68, Cl. 260—410.

Uehara, Keijiro: *See*—
Tokuyama, Takashi, Uehara, and Adachi. 3,410,736.

Uehlinger, Hanspeter: *See*—
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Uelzmann, Heinz, to The General Tire & Rubber Co. Gel-free halogenated polybutadiene rubber-resins. 3,392,161, 7–9–68, Cl. 260—94.7.

Uemura, Seiichi: *See*—
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Ueno, Kazunari: *See*—
Matsubara, Asaichi, Yasutake, Ueno, and Fujita. 3,416,887.

Ueno, Kazuo: *See*—
Huang, Ching Y., and Ueno. 3,370,023.
Huang, Ching Y., Ueno, Kawamura, Tanabe, and Masawaki. 3,405,079.

Ueno, Yoshichika: *See*—
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Ueno, Yoshito: *See*—
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Uenohara, Michiyuki: *See*—
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Uenohara, Michiyuki, to Bell Telephone Laboratories, Inc. High frequency amplifier. 3,392,338, 7–9–68, Cl. 330—2.

Uerlichs, Johannes, to Rappold, Hermann & Co., G.m.b.H. Welded slide valve casing. 3,394,728, 7–30–68, Cl. 137—340.

Ueshima, Kumao, T. Imaida, and H. Nakasono, to Yawata Iron & Steel Co., Ltd. Blast furnace construction. 3,371,918, 3–5–68, Cl. 266—43.

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Ufer, Willy. Power knife. 3,388,470, 6–18–68, Cl. 30—272.

Uffner, Melville W., to General Aniline & Film Corp. Adhesive comprising dextrin, hydrolyzed copolymer of vinyl alkyl ether/maleic anhydride, and N,N-dialkylaminoalkyl phenols. 3,366,587, 1–30–68, Cl. 260—17.4.

Uffner, Melville W., to GAF Corp. Adhesive film-forming compositions which in the dry state are insoluble in water and dry cleaning solvents. 3,404,117, 10–1–68, Cl. 260—80.2.

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Uhen, James R., and B. E. Reber, to Walker Mfg. Co. Twist-on, axial flow filter element. 3,380,593, 4–30–68, Cl. 210—356.

Uhl, Guenter, W. Schwindt, H. Wilhelm, and G. Faulhaber, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Binders for pigment dyeings and prints on fibrous material comprising addition polymers containing halohydrin groups and an epoxy compound. 3,390,114, 6–25–68, Cl. 260—29.6.

Uhl, Robert J., to International Telephone and Telegraph Corp. Electrical matrix with improved frame and plug structure. 3,381,179, 4–30–68, Cl. 317—101.

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Ulderup, Jurgen. Universal joint construction. 3,383,129, 5–14–68, Cl. 287—88.
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Unger, Leo. Foamed body for cushioning material. 3,394,414, 7–30–68, Cl. 5—345.
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Arnold, Donald R., and Sousa. 3,418,330.
Bailey, Donald L., and Pike. 3,375,218.
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Barth, Bruce P. 3,365,517.
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Berthold, Robert V., and Herrett. 3,401,030.
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Gustafson, Carl G. 3,418,365.
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Hagenbach, Gerard F., and Cheng. 3,371,499.
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Hamel, William J. 3,395,724.
Hamling, Bernard H. 3,378,451.
Hamling, Bernard H. 3,385,915.
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Hamling, Bernard H. 3,403,008.
Hamling, Bernard H. 3,406,025.
Hansen, Robert E. 3,415,685.
Harding, James. 3,388,098.
Harp, Harry J., Jr. 3,399,427.
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Harrington, Roger E. 3,379,918.
Hartwig, Jurgen. 3,393,084.
Hausen, Donald M., Piper, and Ruzycki. 3,410,652.
Heise, Barrett H. 3,377,577.
Herchenroeder, Robert B. 3,416,916.
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Herrett, Richard, and Berthold. 3,399,228.
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Heston, Russell G., Jr., and Junker. 3,384,910.
Hillerns, Oswald G. 3,384,134.
Hiser, Robert D. 3,402,210.
Hogsett, John N. 3,374,121.
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Holland, Harry W., and Helvey. 3,419,386.
Hollingsworth, John B. L. 3,402,223.
Holmes, Ronald L. W. 3,395,910.
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Howard, Ronald A., and Tolley. 3,393,085.
Howell, Peter A. 3,390,958.
Hoy, Kenneth L. 3,417,034.
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Hutcheson, Ralph L. 3,367,748.
Hyre, John E., and Willeboordse. 3,388,169.
Jahnes, Henry J. 3,403,827.
Johnson, Herbert E., and Crosby. 3,387,031.
Johnson, Herbert H. 3,375,249.
Johnson, John E., Singman, and Vahldieck. 3,361,534.
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Kennedy, Harry E. 3,373,099.
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King, Paul A. 3,419,006.
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Klun, Godfrey H. 3,403,698.
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Snyder, Edward W. 3,413,380.
Soffer, Bernard H. 3,409,519.
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Starcher, Paul S., Tinsley, and Ash. 3,404,102.
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Westfall, Paul M., Eldred, and Spicer. 3,372,086.
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Wheeler, John B., III. 3,380,880.
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Bernard, George G. 3,416,603.
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Biale, Giovanni, Fenton, Olivier, and Schaeffer. 3,381,030.
Biddick, Royce E. 3,386,859.
Bond, Donald C., and Bernard. 3,369,601.
Braunwarth, John B. 3,399,219.
Ch'in, Norman C., and Hass. 3,368,964.
Cook, George R., Manteuffel, and Stucker. 3,367,866.
Deering, Roland F. 3,361,644.
Dekking, Henri G. G. 3,412,796.
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Fenton, Donald M. 3,397,226.
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Fierce, William L. 3,413,368.
Fischer, Paul W. 3,363,690.
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Folkins, Hillis O., and Beber. 3,413,152.
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Hansford, Rowland C. 3,364,135.
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Holm, Le Roy W., and Woertz. 3,411,583.
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Joo, Louis A., and Braunwarth. 3,389,091.
Kay, Nicholas L., Pullen, and Reeg. 3,365,385.
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Klass, Donald L., and Brozowski. 3,385,793.
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Kramer, Walter E., and Szawlowski. 3,365,415.
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Marsh, Glenn A. 3,398,065.
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McEuen, Robert B. 3,394,308.
Moran, Kevin E. 3,369,273.
Nahin, Paul G., and Maly. 3,384,173.
O'Brien, Leo J. 3,379,260.
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Patrick, John T., Walden, and Heckel. 3,412,012.
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Szawlowski, Theodore H., and Ral. 3,414,630.
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Tulleners, Anthony J., and Hass. 3,397,034.
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Waldorf, Daniel M. 3,385,664.
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Veldecos, Frank A., to Westinghouse Electric Corp. Reducing the potential overspeed of turbine-generators. 3,360,939, 1–2–68, Cl. 60—73.
Veldgen, Willy, and K. Clemens, to L & C Steinmuller G.m.b.H. Apparatus for loading stud welding guns. 3,380,143, 4–30–68, Cl. 29—212.
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Veldhuis, Albert C., to Trylon Inc. Low input impedance dipole antenna array. 3,417,401, 12–17–68, Cl. 343—792.5.
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Venable, Lawrence B., to General Electric Co. Air-oil separators for use in gas turbine engines. 3,378,104, 4–16–68, Cl. 184—6.
Venable, Lawrence B., to General Electric Co. Gas turbine engine lubrication system. 3,382,670, 5–14–68, Cl. 60—39.08.
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Verdol, Joseph A., to Sinclair Research, Inc. Method of making a crosslinked polymer foam and product obtained therefrom. 3,390,105, 6–25–68, Cl. 260—2.5.
Verdol, Joseph A., B. G. Gower, and H. H. Rueter, to Sinclair Research, Inc. Amine and ammonium salts of allylic esters of styrene/maleic anhydride polymers as stabilizer in aqueous polymerization processes. 3,363,029, 1–9–68, Cl. 260—885.
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Veres, Edward W., W. E. Draxler, H. G. Hanson, and R. E. Poethig, to The Bastian-Blessing Co. Air line filter. 3,378,993. 4–23–68. Cl. 55—219.
Veres, Frank, to Owens-Illinois Inc. Electrically conductive solder glass. 3,391,055, 7–2–68, Cl. 161—193.
Verfuss, Klaus, to Leybold Holdging AG. Diffusion vacuum pumps. 3,362,621, 1–9–68. Cl. 230—101.
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Vertnik, Leonard R., to General Mills, Inc. Low melting polyamide resin of fractionated polymeric fat acids and a mixture of ethylene diamine and diaminopropane. 3,408,317, 10–29–68, Cl. 260—18.
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Neumann, Karl J. 3,382,697.
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Vesely, Jerome A.: *See*—
Linn, Carl B., and Vesely. 3,417,146.
Vesely, Jerome A., to Universal Oil Products Co. Preparation of hydroxylated aromatic compounds. 3,407,237, 10–22–68, Cl. 260—621.
Vesely, Kenneth D.: *See*—
Herber, Raymond R., and Vesely. 3,408,419.
Veser, Kurt, and K. H. Mock, to Svenska Rotor Maskiner Aktiebolag. Gas purging seal in rotary regenerator. 3,374,829, 3–26–68, Cl. 165—7.
Vesey, Gary L., to Illinois Tool Works, Inc. Limited slip differential mechanism. 3,406,593, 10–22–68, Cl. 74—711.
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Andrews, Harry N., and Vespa. 3,379,619.
Vesper, Daniel M.: *See*—
Kuntz, Louis E., and Vesper. 3,392,589.
Vesper, Walter: *See*—
Bauger, Louis J., Beyler, Dubarry-Barbe, Pianke, and Vesper. 3,387,462.
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Porterfield, Cecil P., and Vest. 3,393,348.
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Minteer, Henry D., Jr. 3,395,831.
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Zanaboni, Piero. 3,385,685.
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Thompson, Moody C., Jr., and Vetter. 3,400,330.
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Vetter, Ronald F., to United States of America, Navy. Smoke producing propellant. 3,418,184, 12–24–68, Cl. 149—19.
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Platt, Richard O., and Veverka. 3,363,602.
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Vezina, Roland J. Trailer adjustable extension boom. 3,385,-610, 5–28–68, Cl. 280—482.
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Pegan, John R., and Newcomb. 3,417,570.
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Searle, Raymond W. and R. F. 3,366,903.
Searle, Robert F. 3,394,784.
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Matson, Carl G. 3,376,790.
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Vibrex Corp.: *See*—
Tavel, Jon H. 3,375,381.
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Vicard, Pierre G. Electrostatic filtering apparatus. 3,363,403, 1–16–68, Cl. 55—122.
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Vicini, Dino, to N.A.S. Hydraulic and Vulcanizing Machinery Co. Automatic feed metering device for injection moulding machines. 3,389,433, 6–25–68, Cl. 18—30.
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Boyd, Gordon A. 3,363,651.
Vickers, Jack R.: *See*—
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Vickers, Robert M. Golf swing training apparatus. 3,415,524, 12–10–68, Cl. 273—189.
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Glaser, Fritz, and Wentz. 3,371,425.
Jacobey, Olaf. 3,405,847.
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Marley, James E., and Vickery. 3,393,438.
Vickery, John R., Jr., to AMP Inc. Method for wiring. 3,372,-475, 3–12–68, Cl. 29—628.
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Vicom Corp.: *See*—
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Ishibashi, Kazuo, and Ogawa. 3,410,948.
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Ohnishi, Shinji, and Nishimura. 3,380,744.
Samuta, Osamu. 3,400,599.
Sekiguchi, Yasushi, and Fukunishi. 3,376,846.
Takayanagi, Kenjiro. 3,401,237.
Takayanagi, Kenjiro and S. 3,418,424.
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Victor Comptometer Corp.: *See*—
Bear, Fred B. 3,401,938.
Bear, Fred B. 3,415,240.
Bear, Fred B. 3,415,241.
Estep, Shelby L. 3,396,971.
Hills, David A., Joyce, Willett, and Watkins. 3,370,581.
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Victor Comptometer Corp.: *See*—Continued
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Martin, Charles B. 3,393,353.
Scheuzger, Peter, and Joseph. 3,386,102.
Scheuzger, Peter, Joseph, and Ono. 3,401,402.
Schultz, Ralph L. 3,402,884.
Sievers, William E. 3,414,107.
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Victor Equipment Co.: *See*—
Keane, Robert S. 3,399,689.
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Victoreen Instrument Co.: *See*—
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Victoreen, John A. Method and apparatus for testing hearing. 3,408,460, 10–29–68, Cl. 179—1.
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Vidal, Henri, to L'Institut Francais du Petrole, des Carburants et Lubrifiants. Underwater anchored pillar for supporting a platform. 3,394,553, 7–30–68, Cl. 61—46.5.
Vidal, Jean: *See*—
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Vidal, Paul I., to Rocma Anstalt. Method of producing cellular elements. 3,400,183. 9–3–68, Cl. 264—53.
Vidar Corp.: *See*—
McWhorter, Malcolm M. 3,408,602.
Videen, Otis R., to Conwed Corp. Dry-cleaning operation. 3,386,796, 6–4–68, Cl. 8—142.
Videen, Otis R., to Conwed Corp. Method and apparatus for producing special surfaces on panel board. 3,391,013, 7–2–68, Cl. 117—10.
Vidrine, Clyde G.: *See*—
May, Patrick L., Vidrine, and Beyer. 3,374,729.
Vidts, Julien L. Thermoelectric method and apparatus for rapid determination of silicon in cast iron. 3,404,570, 10–8–68, Cl. 73—341.
Vie, David G., and T. W. J. Kennedy, to Northern Electric Co. Ltd. Automatic tracking system for linearly polarized electromagnetic waves. 3,394,375, 7–23–68, Cl. 343—100.
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Vieceli, Angelo. Automatic steam bath washer and dryer apparatus. 3,396,411, 8–13–68, Cl. 4—164.
Vieceli, Joseph L.: *See*—
Jepson, Ivar, Koci, Vieceli, and Illian. 3,361,053.
Jepson, Ivar, and Vieceli. 3,407,522.
Viehe, Frederick W., deceased (by S. C. Viehe, administratrix (deceased); J. G. Evans, executor and administrator); assor. to F. W. Viehe, Jr. Memory structure having cores comprising magnetic particles suspended in a dielectric medium. 3,366,940, 1–30–68, Cl. 340—174.
Viehe, Frederick W., Jr.: *See*—
Viehe, Frederick W. 3,366,940.
Viehe, Heinz G., to Union Carbide Corp. Bis (amino) acetylene compounds and method of preparing amino acetylene compounds. 3,369,047, 2–13–68, Cl. 260—570.8.
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Viehe, Frederick W. 3,366,940.
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Viehmann, George A., D. A. A. Sedgley, and W. Browning, to Construction Specialties, Inc. Grating. 3,383,822, 5–21–68, Cl. 52—667.
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Bestland, Jergen, and Viel. 3,392,790.
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Bodenstein, Carl A., Schneider, and Vielhaber. 3,382,071.
Viellet, Guy J., to Societe Anonyme dite: Societe Industrielle d'Electro-Metallurgie. Device for locking a cutting plate onto the body of a tool holder. 3,393,435, 7–23–68, Cl. 29—96.
Vielmo, Oskar, to Robert Bosch G.m.b.H. Coupling. 3,383,085, 5–14–68, Cl. 251—149.5.
Vielstich, Wolf, and G. Grüneberg, to Varta Aktiengesellschaft, and Siemens-Schuckert Werke Aktiengesellschaft. Operation of fuel cell for the direct conversion into electrical energy of chemical energy of liquid fuels dissolved in the electrolyte. 3,365,333, 1–23–68, Cl. 136—86.
Vienna, Arthur W. Cargo ships. 3,417,721, 12–24–68, Cl. 114—43.5.

Vienna, Paul C., J. J. Plemich, and J. W. Gaynor, to Standard Oil Co. Combination hydraulic and transmission fluids. 3,396,114, 8–6–68, Cl. 252—78.

Viera, Daniel A.: *See*—
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Ahrens, Warren S., and Viera. 3,415,604.

Vierling, Oskar: *See*—
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Vieser, Jurgen: *See*—
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Vieser, Carl F., and F. I. Douglass, to AMP Inc. Force limiting tool. 3,412,451, 11–26–68, Cl. 29—203.

Viesi, Lorenzo, to Sintelco Societa a resp. Limitata. Automatic multiple-code system for long distance information. 3,415,944, 12–10–68, Cl. 178—3.

Viessmann, Hans. Water heating apparatus. 3,366,094, 1–30–68, Cl. 122—494.

Viessmann, Hans. Hot water boiler. 3,404,664, 10–8–68, Cl. 122—32.

Viessmann, Hans. Arrangement for supporting water-storage tanks. 3,412,715, 11–26–68, Cl. 122—510.

Viessmann, Klaus: *See*—
Alt, Rolf V., and Viessmann. 3,378,061.

Viesturs, Eric A. Process of making sheets for photo albums or the like. 3,398,036, 8–20–68, Cl. 156—267.

Vieths, Alman H. Rotating and reciprocating tool arrangement. 3,388,548, 6–18–68, Cl. 60—6.

Vietnat, Dominique. Speedily adjustable clamping wrench. 3,376,766, 4–9–68, Cl. 81—138.

Vietor, Charles A., and N. S. Blessum, to Burroughs Corp. Shift and buffer circuitry. 3,417,377, 12–17–68, Cl. 340—172.5.

Vietz, Norman J., to Honeywell Inc. Electro-magnetic door holder. 3,394,427, 7–30–68, Cl. 16—48.5.

Viewlex, Inc.: *See*—
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Vig, Merle E. Tractor-mounted concrete mixer. 3,369,799, 2–20–68, Cl. 259—154.

Vigansky, Victor C., and E. E. Mallory, to National-Standard Co. Locking mechanism for clamping a die on an extruder. 3,407,441, 10–29–68, Cl. 18—12.

Vigelius, Wolf-Dieter, to Warner-Lambert Pharmaceutical Co. Substituted 1,4-bis(β-phenyl-β-acyloxyethyl) piperazines and their pharmaceutically acceptable acid addition salts. 3,378,553, 4–16–68, Cl. 260—240.

Vigen, Murlan A. Agricultural roller. 3,364,665, 1–23–68, Cl. 56—1.

Viggiano, John D.: *See*—
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Viggo Aktiebolag: *See*—
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Vigliante, Frank S.: *See*—
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Vignati, Carlo: *See*—
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Vignini, Walter R., to Sonotone Corp. Hard seal for cell terminals. 3,370,989, 2–27–68, Cl. 136—168.

Vigo, Tyrone L.: *See*—
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Vigren, Sten D., R. A. Zander, and P. H. E. Claesson. Selectors of the coordinate selector type. 3,417,353, 12–17–68, Cl. 335—112.

Vigreux, Armand A., to Aktiengesellschaft Brown, Boveri & Cie. Regulator device for induction apparatus employing addition and subtraction of coil turns. 3,419,833, 12–31–68, Cl. 336—15.

Vigyazo, György, to Komplex Nagyberendezesek Export-Import Vallalata. Device for continuous hydropneumatic conveyance of powder-like material. 3,385,634, 5–28–68, Cl. 302—15.

Vik, Albam M., to Inventors Engineering, Inc. Clamp mechanism for materials handling equipment. 3,410,431, 11–12–68, Cl. 214—620.

Vik, Karstein O. and O. B., to Nor-Laks O.C. Vik & K.O. Vik. Method for breeding fish, such as salmon or sea trout. 3,406,662, 10–22–68, Cl. 119—3.

Vik, Olav B.: *See*—
Vik, Karstein O. and O. B. 3,406,662.

Viking Mfg. Co.: *See*—
Buzenberg, Robert J., and De Graff. 3,369,762.

Viking of Minneapolis, Inc.: *See*—
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Viking Pump Co.: *See*—
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Viking Sauna Co.: *See*—
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Vikmanis, Juris: *See*—
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Vikon, Inc.: *See*—
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Vikstrom, Ingvar N., to Effco S., Franzen, & Co. Aktiebolag. Device for vertical excavators. 3,408,755, 11–5–68, Cl. 37—138.

Vilagos, Joseph P., and W. Bowler, to Canadian National Railway Co. Tipper unloader for dragline carts. 3,381,832, 5–7–68, Cl. 214—46.

Vilain, Henri. Malting process. 3,383,290, 5–14–68, Cl. 195—71.

Vilanova, Francisco de P. P., to Envases y Embalajes Ma-Pa. Containers. 3,409,062, 11–5–68, Cl. 150—.5.

Vilanova, Sebastian P., to Cartonajes Portella, S.A. Folding containers for the packaging, storage, display and carriage of goods in particular. 3,394,845, 7–30–68, Cl. 220—115.

Vilbajo, Jean, to Contigea Societe Anonyme. Electrical spark detonators. 3,376,817, 4–9–68, Cl. 102—28.

Vilbig, Friedrich, to Bolkow Gesellschaft mit beschrankter Haftung. Satellite construction. 3,363,857, 1–16–68, Cl. 244—1.

Vilbig, Friedrich, to Bolkow Gesellschaft mit beschrankter Haftung. Satellite construction. 3,412,955, 11–26–68, Cl. 244—1.

Vilcins, Ilmar J.: *See*—
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Vilet, Andre, to Societe d'Etude de la Propulsion Par Reaction (Societe Anonyme). Shaft seal assembly. 3,395,645, 8–6–68, Cl. 103—111.

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Vilutis, Leonard J., and A. H. Huller, to The Dow Chemical Co. Method of incorporating a tear string in a thermoplastic web. 3,411,968, 11–19–68, Cl. 156—176.

Villadsen, Karl J. S., to Aktieselskbet Grindstedvaerket. Preparation of clouding and coloring agent for soft drinks. 3,404,990, 10–8–68, Cl. 99—205.

Village of Edina: *See*—
Batko, Adam D. 3,407,519.
Batko, Adam D. 3,411,590.

Villalobos, Roberto F. Erection of prefabricated houses. 3,363,371, 1–16–68, Cl. 52—90.

Villalon, Ernest M., to Compagnie des Gelatines Francaises. Extraction of phosphoric acid and the purification thereof. 3,374,055, 3–19–68, Cl. 23—107.

Villalon, Severo L., Jr.: *See*—
Barrington, Burchus Q., and Villalon. 3,368,829.

Villamos Automatika Intezet: *See*—
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Villani, Frank J., to Schering Corp. Aza-5H-dibenzo-[a,a]-(cycloheptenes and cycloheptene-5-ones) and the corresponding 10,11-dihydro derivatives thereof. 3,366,635, 1–30–68, Cl. 260—290.

Villani, Frank J., to Schering Corp. 5-diloweralkylaminoalkoxy ethers of 4-aza-10,11-dihydro-5H-dibenzo[a,d]-cycloheptene derivatives. 3,378,567, 4–16–68, Cl. 260—296.

Villani, Frank J., to Schering Corp. Piperazino-aza-dibenzo-[a,d]-cycloheptenes. 3,409,621, 11–5–68, Cl. 260—268.

Villani, Frank J., to Schering Corp. 5-(3′-dimethylamino-2′-methyl-propyl)dibenzocycloheptenes. 3,409,640, 11–5–68, Cl. 260—570.8.

Villani, Frank J., to Schering Corp. Aza-dibenzocycloheptenes. 3,419,565, 12–31–68, Cl. 260—294.7.

Villante, Anthony E.: *See*—
Amdahl, Gene M., Blaauw, Boehm, Calingaert, Carnevale, Case, Collins, Greene, Hanf, Johnson, Magdall, Perkins, Hood, Updike, Villante, and Weber. 3,400,371.

Villanueva, Juan T. Scheme of salt manufacture. 3,363,664, 1–16–68, Cl. 159—1.

Villar-Kelly, Ricardo V. Multiple soap cake container. 3,407,939, 10–29–68, Cl. 211—90.

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Villarreal Pantoja, Ernesto. Waste incinerator. 3,408,968, Cl. 110—12.

Villars, Charles E., and D. D. Mitchell, to The Pillsbury Co. Process for the production of amine salts of sulfamic acid. 3,412,143, 11–19–68, Cl. 260—501.12.

Villaume, Henry F., and D. S. Collins, to Air Products and Chemicals, Inc. Cryogenic refrigeration for crystal X-ray diffraction studies. 3,413,821, 12–3–68, Cl. 62—514.

Villavicencio, Raul J., and R. A. Johnson, to Continental Can Co., Inc. Apparatus for removing moisture from the top of capped jars. 3,400,422, 9–10–68, Cl. 15—306.

Villax, Ivan, to International Rectifier Corp. Process of fermentation of chlortetracycline and tetracycline antibiotics. 3,401,088, 9–10–68, Cl. 195—114.

Villax, Joao, to International Rectifier Corp. Preparation and isolation of tetracyclines with the aid of tetracycline complexes. 3,400,050, 9–3–68, Cl. 195—80.

Ville, Ivan B., to Eastman Kodak Co. Emulsion developers for photoconductography. 3,402,111, 9–17–68, Cl. 204—18.

Villeneuve, Alfred T.: *See*—
Goebels, Frank J., Jr., Strider, Villeneuve, and Watson. 3,413,637.

Villeneuve, Georges, to Meci Materiel Electrique de Controle et Industriel. Device for transmitting a mechanical variable through the wall of an enclosure. 3,382,719, 5–14–68, Cl. 73—406.

Villiers Engineering Co. Ltd.: *See*—
Hooper, Bernard. 3,374,776.
Villiers, William H. C. Safety belt with shock absorbing device. 3,361,475, 1–2–68, Cl. 297—386.
Villiger, Remy, to Lador S.A. Music box movement. 3,395,599, 8–6–68, Cl. 84—95.
Villiger Sohne A.G.: *See*—
Galliker, Walter. 3,374,796.
Villinger, Bernhard: *See*—
Ulrich, Friedrich, and Villinger. 3,396,242.
Villo, Joseph P., to Standard Pressed Steel Co. Adjustable shoulder bolt for use in a stripper means. 3,408,887, 11–5–68, Cl. 83—140.
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Grant, Whitney I. 3,379,033.
Vilter, Thomas R., to Hydraulic Unit Specialties Co. Boat lifting and mooring device. 3,402,828, 9–24–68, Cl. 214—1.
Vilutis, John V., to Consolidated Foods Corp. Process for elucidating and stabilizing the natural pigment in shrimp hypodermis. 3,365,302, 1–23–68, Cl. 99—111.
Vince, John, to Honeywell Inc. Electrical apparatus. 3,383,037, 5–14–68, Cl. 236—12.
Vince, Patrick M., to Doulton & Co. Ltd. Electrical insulator having improved surface electrical stress distribution. 3,368,026, 2–6–68, Cl. 174—140.
Vincenot, Raymond A., to Centre de Recherches de Pont-a-Mousson. Press for the hydraulic testing of pipes. 3,388,588, 6–18–68, Cl. 73—49.6.
Vincens, Rene, to Societe Civile de Recherches et d'Etudes Industrilles. Office furniture and tables. 3,371,973, 3–5–68, Cl. 312—194.
Vincens, Rene, to Societe Civile de Recherches et d'Etudes Industrielles. Connecting system including clip elements. 3,398,981, 8–27–68, Cl. 287—189.35.
Vincens, Rene, to Societe Civile de Recherches et D'Etudes Industrielles. Office furniture having removable decorative panels. 3,408,127, 10–29–68, Cl. 312—194.
Vincent, Britton T., Jr.: *See*—
Cooke, Harry F., Hyltin, and Vincent. 3,417,393.
Vincent, Conway, to The Hoover Co. Blender jar with stirrer and strainer. 3,417,972, 12–24–68, Cl. 259—37.
Vincent, Daniel B. Dewatering press. 3,400,654, 9–10–68, Cl. 100—148.
Vincent, Edwin B., to Pres-To-Line Corp. of America. Copy holder. 3,369,313, 2–20–68, Cl. 40—343.
Vincent, Etienne H. Method and apparatus for loading trucks by gravity. 3,396,859, 8–13–68, Cl. 214—41.
Vincent, Germaine: *See*—
Bensussan, Andre, Vincent, and Warnecke. 3,363,124.
Vincent, Hector, to La Cie Hydrolic Vencent Ltée. Scraper blade attachment for stable cleaner. 3,374,879, 3–26–68, Cl. 198—176.
Vincent, James G., Jr.: *See*—
Taylor, Arthur S., Hansen, Yen, and Vincent. 3,394,677.
Greif, Martin, Yen, Vincent, and Hansen. 3,394,983.
Vincent, James G., Jr., and P. E. Wray, to American Cyanamid Co. Instrumented ejection cam. 3,388,424, 6–18–68, Cl. 18—2.
Vincent, Larry D.: *See*—
Strouse, Melvin W., and Vincent. 3,396,899.
Vincent, Maurice W.: *See*—
Anderson, James P., and Vincent. 3,370,522.
Vincent, Philip C., to Vincent Rotary Engines, Ltd. Rotary internal combustion engines. 3,398,727, 8–27–68, Cl. 123—44.
Vincent, Renic P.: *See*—
Bain, Lewis G., Franey, and Vincent. 3,392,580.
Howard, George C., and Vincent. 3,375,856.
Vincent, Renic P., to Pan American Petroleum Corp. Ocean current measuring device. 3,376,742, 4–9–68, Cl. 73—170.
Vincent, Renic P., to Pan American Petroleum Corp. Directional well drilling apparatus. 3,380,543, 4–30–68, Cl. 175—73.
Vincent, Renic P., to Pan American Petroleum Corp. Offshore equipment and personnel transfer system. 3,398,845, 8–27–68, Cl. 214—152.
Vincent, Renic P. to Pan American Petroleum Corp. Submarine anchor assembly. 3,399,646, 9–3–68, Cl. 114—206.
Vincent, Renic P., to Pan American Petroleum Corp. Apparatus for injecting a viscoelastic material in a subsurface pump. 3,418,938, 12–31–68, Cl. 103—46.
Vincent, Renic P., and L. B. Wilder, to Pan American Petroleum Corp. Method of bonding carbide to steel. 3,372,464, 3–12–68, Cl. 29—473.1.
Vincent, Renic P., and L. B. Wilder, to Pan American Petroleum Corp. Underwater power source. 3,418,818, 12–31–68, Cl. 61—69.
Vincent, Richard T. Bottle gauging apparatus. 3,407,931, 10–29–68, Cl. 209—75.
Vincent Rotary Engines, Ltd.: *See*—
Vincent, Philip C. 3,398,727.
Vincent, Wilbur R.: *See*—
Clark, Eugene N., Cone, Masher, and Vincent. 3,407,355.
Vincent-Martin, Pierre-Remey-Alexis, to Alsthom-Savoisienne. High voltage coil with flat disks. 3,405,378, 10–8–68, Cl. 336—70.
Vinci, Joseph T.: *See*—
Holly, Robert J., and Vinci. 3,369,371.
Vinci, Robert A., to Markus-Campbell Co. Tachistoscopic device. 3,411,223, 11–19–68, Cl. 35—35.
Vinciguerra, Amelio. Machine for winding musical instrument strings and the like. 3,391,874, 7–9–68, Cl. 242—7.
Vincotte, Guy, to Solvay & Cie. Process for the removal of nitrogen trihalides from mixtures containing them. 3,361,536, 1–2–68, Cl. 23—219.
Vind, Holger V., to Danfoss A/S. Hermetically sealed cooling machine. 3,396,908, 8–13–68, Cl. 230—235.
Vindale Corp.: *See*—
Riedel, Daniel P. 3,419,215.
Vindez, Pierre G., to Zephyr Mfg. Co. Side cutting tool. 3,361,013, 1–2–68, Cl. 77—2.
Vindez, Pierre G., to Zephyr Mfg. Co. Back spot-facing tool. 3,381,579, 5–7–68, Cl. 90—12.
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Schwerdle, Arthur. 3,410,885.
Vines, Grady R.: *See*—
Evans, Leonard N., Grill, and Vines. 3,411,216.
Viney, David J., to Imperial Chemical Industries, Ltd. Purification of 2,2,2-trifluoro-1-chloro-1-bromoethane. 3,388,175, 6–11–68, Cl. 260—653.
Vineyard, Billy D., to Monsanto Co. Triazines. 3,399,138, 8–27–68, Cl. 252—33.6.
Vingren, John C., and H. J. Zeller, to Motorola, Inc. Wood grain cabinet. 3,363,956, 1–16–68, Cl. 312—204.
Vinicki, John, to Monsanto Co. Method of forming microfibers. 3,388,194, 6–11–68, Cl. 264—0.
Vinogradov, Alexandr S., J. M. Kapustin, I. N. Maxjutenko, V. N. Kiselnikov, I. S. Borisov, and I. M. Mazalov. Casing for carding machine flats. 3,375,555, 4–2–68, Cl. 19—98.
Vinogradov, Alexandr S., J. M. Kapustin, I. N. Maxjutenko, V. N. Kiselnikov, I. S. Borisov, and I. M. Mazalov. Card. 3,395,425, 8–6–68, Cl. 19—105.
Vinogradov, Alexandr S., J. M. Kapustin, I. N. Maxjutenko, V. N. Kiselnikov, I. S. Borisov, and I. M. Mazalov. Card. 3,405,427, 10–15–68, Cl. 19—107.
Vinot, Claude P., to La Telemecanique Electrique. Three position limit switch. 3,370,138, 2–20–68, Cl. 200—47.
Vinson, John A., to Armco Steel Corp. High speed, high power reciprocating pumps and valve stacks therefor. 3,399,694, 9–3–68, Cl. 137—512.
Vinson, Paul, to Pentronix, Inc. Tool capsule for powder compacting press. 3,414,940, 12–10–68, Cl. 18—16.
Vinson, Paul, to Pentronix, Inc. Powder compacting press. 3,415,142, 12–10–68, Cl. 74—568.
Vinzant, Charles: *See*—
Cella, Alexander A.
Vinzelberg, Bernhard: *See*—
Vogel, Josef, Arnold, Vinzelberg, Fischer, Koch, and Walz. 3,414,652.
Vinzelberg, Bernhard, and K. Bunge, to Farbenfabriken Bayer Aktiengesellschaft. Radiation sensitive ampoule testing apparatus and method. 3,415,997, 12–10–68, Cl. 250—218.
Viola, Vito, to Friden, Inc. Moistening device. 3,413,954, 12–3–68, Cl. 118—46.
Vios, Michalis. Ultrasonic siren applied on seagoing ships for defogging the ranges of vision. 3,385,392, 5–28–68, Cl. 181—.5.
Viout, Andre: *See*—
Kalopissis, Gregoire, Viout, and Vanlerberghe. 3,379,646.
Lachampt, Felix, Viout, and Vanlerberghe. 3,419,665.
Virello, Michael A., to Standard Screw Co. Fuel pump and pressure equalization means therefor. 3,368,490, 2–13–68, Cl. 103—2.
Virginia Chemicals: *See*—
Sheridan, John E., and Hotelling. 3,379,775.
Virginia Metalcrafters, Inc.: *See*—
Gordon, Donald H. 3,413,783.
Virnoche, Paul R., Jr., to American Machine & Foundry Co. Switch construction having three spring blade contact arms and spacer means therebetween. 3,391,258, 7–2–68, Cl. 200—38.
Virsberg, Lars-Goran, and L.-G. Laurell, to Allmänna Svenska Elektriska Aktiebolaget. High voltage cable with potential gradient equalization means. 3,412,200, 11–19–68, Cl. 174—102.
Virta, Arthur W., to Aircraft Products Co. Self-supporting conveyor chain. 3,393,792, 7–23–68, Cl. 198—189.
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Kowalik, Anthony, and Virva. 3,394,773.
Visani, Francesco: *See*—
Borsini, Giancarlo, Visani, and Cevidalli. 3,415,797.
Vischer, Alfred, Jr., 2/30 each to W. A., and P. Vischer, 4/30 each to W. W. and E. K. Zitzewitz, 1/30 each to G. J. and B. O. Zitzewitz, and 2/30 to G. V. Bouton. Pressure cooker. 3,393,628, 7–23–68, Cl. 99—234.
Vischer, Alfred, Jr., 2/30 each to W. Vischer, A. Vischer III, and P. Vischer, 4/30 each to W. W. and E. K. Zitzewitz, 1/30 each to G. J. and B. O. Zitzewitz, and 2/30 to G. V. Bouton. Force-producing mechanism for controlling the relative position of two members. 3,409,164, 11–5–68, Cl. 220—25.
Vischer, Alfred, III: *See*—
Vischer, Alfred, Jr. 3,409,164.
Vischer, Peter: *See*—
Vischer, Alfred, Jr. 3,393,628.
Vischer, Alfred, Jr. 3,409,164.
Vischer, William V.: *See*—
Vischer, Alfred, Jr. 3,393,628.
Vischer, Alfred, Jr. 3,409,164.
Viscontini, Vittorio R.: *See*—
Denti, Francesco, and Viscontini. 3,389,428.

Vish, Dennis J.: *See*—
Thomas, John F., and Vish. 3,385,619.
Vishay Intertechnology, Inc.: *See*—
Zandman, Felix. 3,406,681.
Zandman, Felix, and Boyd. 3,405,381.
Visher, Wilbur A.: *See*—
Barrack, Carrol M., and Visher. 3,412,389.
Vision Control, Inc.: *See*—
Wise, Irvin L., and Hall. 3,418,978.
Vision Wrap Industries, Inc.: *See*—
Brieske, Bernard F., and Brunkalla. 3,392,077.
Visirecord Inc.: *See*—
Proulx, Romeo T., Holzwarth, and Metzler. 3,383,147.
Visi-Trol Engineering Corp.: *See*—
Waara, William A. 3,413,862.
Visman, Jan, to Canadian Patents and Development Ltd. Cyclone apparatus. 3,366,247, 1–30–68, Cl. 210—512.
Visner, Sidney, to Combustion Engineering, Inc. Fuel arrangement for fast breeder reactor. 3,396,078, 8–6–68, Cl. 176—17.
Visos, Charles D., to Emerson Electric Co. Burner control device for a water heater. 3,402,887, 9–24–68, Cl. 236—21.
Vissage, John W., to Lifetime Foam Products, Inc. Label positioning apparatus. 3,399,097, 8–27–68, Cl. 156—583.
Visseaux, Claude Paz et: *See*—
Gomonet, Edouard. 3,377,508.
Visser, Bernardus F. Method and device for determining the oxygen and carbonic acid content in a gas mixture. 3,401,553, 9–17–68, Cl. 73—27.
Visser, Jan E., and M. H. M. Vrolijks, to North American Philips Co., Inc. Heat and pressure glass bonding of space magnetic head portions by forming and using glass over flow channels. 3,375,575, 4–2–68, Cl. 29—603.
Visser, Melvin J., to The Upjohn Co. Process for making 2,6-dichloro-4-nitroaniline. 3,396,195, 8–6–68, Cl. 260—578.
Visser, Robert C.: *See*—
Bates, Richard D., and Visser. 3,411,303.
Visser, Simon: *See*—
Winters, John D., Visser, Kristoff, and Herring. 3,389,645.
Vissers, Herbert, to Landbouwwerktuigen-en Machinefabriek H. Vissers N.V. Apparatus for spreading powdered or granular fertilizers. 3,372,877, 3–12–68, Cl. 239—659.
Vissers, Herbert, to Landbouwwerktuigen- en Machinefabriek H. Vissers N.V. Method for cooling castings. 3,388,478, 6–18–68, Cl. 34—13.
Vissers, Herbert, to Landbouwwerktuigen- en Machinefabriek H. Vissers N.V. Apparatus for spreading powdered or granular materials. 3,388,869, 6–18–68, Cl. 239—659.
Vissers, Herbert. Spreading and harrowing implement including means for uniformly spreading granular or pulverulent material on the soil. 3,404,644, 10–8–68, Cl. 111—11.
Vissers, Herbert. Instrument for injecting a gas or liquid into the soil. 3,413,940, 12–3–68, Cl. 111—7.
Vissers, Herbert, to Landbouwwerktuigen Machinefabriek H. Vissers N.V. Coupling shafts. 3,417,579, 12–24–68, Cl. 64—32.
Vistron Corp.: *See*—
Barnett, Louis H., and Horton. 3,388,429
Halberstadt, Lewis J., and McCord. 3,369,265.
Parsisson, Francis L. 3,382,523.
Visual Graphics Corp.: *See*—
Friedel, Murray. 3,413,904.
Visual Impact Materials, Inc.: *See*—
Benedict, Joel A. 3,366,005.
Visual Information Institute, Inc.: *See*—
Harshbarger, John R. 3,385,930.
Visual Programming, Inc.: *See*—
Penraat, Jaap. 3,390,467.
Penraat, Jaap. 3,394,629.
Visual Systems, Inc.: *See*—
Leporati, Raymond A. 3,409,261.
Vit, Rudy. Method and apparatus for felling and treatment of trees to produce wood chips. 3,394,744, 7–30–68, Cl. 144—326.
Vita, Lawrence. Apparatus for controlling erosion. 3,380,253, 4–30–68, Cl. 61—3.
Vita Mix Corp., The: *See*—
Barnard, William G., Jr. 3,368,800.
Vita-Pakt Citrus Products Co.: *See*—
La Morte, Howard W., and McIsaac. 3,403,789.
Vita Zahnfabrik H. Rauter KG: *See*—
Wagner, Ewald, and Pralow. 3,413,723.
Vitale, Peter T., to Colgate-Palmolive Co. Abrasive detergent compositions. 3,406,116, 10–15–68, Cl. 252—99.
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Jacob, Theodore A., and Vitali. 3,366,627.
Vitalis, Emil A., and R. J. Chamberlain, to American Cyanamid Co. Sulfo-N-alkylpropionamide salts as emulsifying agents in polymerization of unsaturated compounds. 3,396,153, 8–6–68, Cl. 260—80.7.
Vitamins, Inc.: *See*—
Elenbogen, Gilbert D. 3,397,995.
Elenbogen, Gilbert D., and Baron. 3,397,994.
Vitcha, James F., to Air Reduction Co., Inc. Preparation of vinyl ethers. 3,370,095, 2–20–68, Cl. 260—614.
Vitcha, James F., and G. L. Moore, to Air Reduction Co., Inc. Dialkyl amines. 3,375,279, 3–26–68, Cl. 260—577.
Vitcha, James F., and V. A. Sims, to Air Reduction Co., Inc. Vapor phase production of propargyl alcohol under anhydrous conditions. 3,365,504, 1–23–68, Cl. 260—638.
Vitello, John P. Self-inflating catheter with means to prevent leakage of inflation fluid. 3,378,011, 4–16–68, Cl. 128—349.
Vitins, Janis: *See*—
Schubert, Helmuth, and Vitins. 3,396,253.
Vitkuske, John F., to The Dow Chemical Co. Paper coated with an interpolymer of a monoethylenically unsaturated acid, an open-chain aliphatic conjugated diolefin and an alkenyl aromatic monomer. 3,399,080, 8–27–68, Cl. 117—155.
Vitramon, Inc.: *See*—
Swart, Robert, and Berlin. 3,398,326.
Weller, Barton L., Swart, and Caires. 3,394,386.
Vitreous Steel Products Co.: *See*—
Hedden, Walter A., Bowers, and King. 3,396,055.
Vitrinsky, Igor M., and J. M. Iljashuk, to Vsesojuzny Nauchno-Issledovateljsky Institute. Noise-muffle for spinner and twister spindles. 3,393,765, 7–23–68, Cl. 181—33.
Vitro Corp. of America: *See*—
Dougherty, James G., Jr., and Moseley. 3,394,583.
Mann, Dennis L. 3,390,851.
Sileo, Francis R. 3,366,814.
Vitrone, John: *See*—
Broderick, George F., Oxenrider, and Vitrone. 3,393,244.
Joris, George G., Vitrone, and Sibilia. 3,391,198.
Lund, Richard B., and Vitrone. 3,365,347.
Vitrone, John, to Allied Chemical Corp. Polycarbonates. 3,414,542, 12–3–68, Cl. 260—47.
Vitry, Pierre, to Societe Indatom. Heat extraction device for nuclear reactor. 3,379,616, 4–23–68, Cl. 176—60.
Vits, Hilmar, to Maschinenfabrik VITS G.m.b.H. Pneumatic conveyor for strip materials. 3,384,282, 5–21–68, Cl. 226—97.
Vitt, Hillert, to General Electric Co. Signalling systems. 3,378,817, 4–16–68, Cl. 340—171.
Vitta Corp.: *See*—
Ettre, Kitty S. 3,371,001.
Ettre, Kitty S. 3,415,705.
Ettre, Kitty S. 3,415,706.
Vittecoq, Rene R. J.: *See*—
Kopp, Georges, and Vittecoq. 3,419,341.
Vittoe, Enloch C. Coffee-brewing device. 3,369,477, 2–20–68, Cl. 99—282.
Vittone, Joseph C. Vehicle for off-the-road service. 3,366,411, 1–30–68, Cl. 296—28.
Vittorelli, Sergio, O. Canonici, and A. Morando, to Pirelli S.p.A. Rubber composition, particularly intended for treads of pneumatic tires. 3,365,416, 1–23–68, Cl. 260—33.6.
Vitzthum, Diether, to Siemens Aktiengesellschaft. Thermoelectric junction for an indirectly heated cathode. 3,385,997, 5–28–68, Cl. 315—55.
Vives, Van C., and C. W. Kruse, to Phillips Petroleum Co. Production and/or recovery of primary haloalkanes. 3,413,359, 11–26–68, Cl. 260—652.
Vivion, Lee E. Turbine driven drilling tool. 3,407,887, 10–29–68, Cl. 175—106.
Vizcarra, Fernando R. Method of introducing a catheter into a body vessel. 3,370,587, 2–27–68, Cl. 128—214.4.
Vlaardingerbroek, Marinus T., and E. G. Dorgelo, to North American Philips Co., Inc. Gridded electron tube with dispenser cathode having coated surface portions. 3,402,314, 9–17–68, Cl. 313—348.
Vlacil, Frank F.: *See*—
Frantz, Charles E., and Vlacil. 3,377,886.
Vlagsma, Auke: *See*—
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Vlaminck, Leopold G., to Automatic Electric Laboratories, Inc. Telephone terminal block having snap-on connector strip. 3,376,542, 4–2–68, Cl. 339—125.
Vlasaty, Frank J., to American Gage & Machine Co. Device for checking instrument accuracy and wear. 3,417,475, 12–24–68, Cl. 33—168.
Vlcek, Josef, B. Fimbinger, and J. Pavelka, to Zavody presneho strojirenstvi Gottwaldov, narodni podnik. Shoe molding press. 3,398,433, 8–27–68, Cl. 18—17.
Vlietstra, Jan, to N.V. Hollandse Signaalapparaten. Wave guide switch. 3,390,355, 6–25–68, Cl. 333—7.
Vnuk, Wallace J. Speed control for an automotive vehicle. 3,370,580, 2–27–68, Cl. 123—198.
Vobornik, Vaclav: *See*—
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Vocaline Co. of America: *See*—
Wood, Orville T. 3,417,649.
Vocci, Frank J., and M. E. Wirth, to United States of America, Army. Pulsating tissue homogenizer. 3,380,499, 4–30–68, Cl. 146—68.
Vockenhuber, Karl: *See*—
Bystricky, Karl, and Muszumanski. 3,367,734.
Freudenschuss, Otto. 3,376,093.
Vockroth, William J., to AMP Inc. Connector for composite cables. 3,384,704, 5–21–68, Cl. 174—90.
Voda, Eugene M., to Whirlpool Corp. Pump control for dispensing liquid additives. 3,406,710, 10–22–68, Cl. 137—394.
Voda, John J., to Whirlpool Corp. Projectile. 3,374,740, 3–26–68, Cl. 102—57.
Vodar, Boris: *See*—
Romand, Jacques L., Vodar, and Martin. 3,368,101.
Vodicka, Vincent, to General Electric Co. Apparatus for applying a coating onto a localized region of the inside of a hollow article. 3,379,174, 4–23–68, Cl. 118—318.

Vodicka, Vincent, to General Electric Co. Electroluminescent display device having folded elements. 3,384,770, 5–21–68, Cl. 313—108.

Vodinh, Hien, to Radio Corp. of America. Shaft mounting device. 3,415,472, 12–10–68, Cl. 248—27.

Voedisch, Robert W., to Lawter Chemicals, Inc. Method for making fluorescent precipitation pigments. 3,361,677, 1–2–68, Cl. 252—301.2.

Voegtly, Richard O., to Callery Chemical Co. Spray coating apparatus. 3,383,046, 5–14–68, Cl. 239—186.

Voeks, John F., to The Dow Chemical Co. Modification of crystalline structure of crystallizable high polymers. 3,367,926, 2–6–68, Cl. 260—93.5.

Voelcker, Sven: *See*—
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Voelker, Walter D., to Allied Chemical Corp. Strengthening edges of foam sandwich structure. 3,367,818, 2–6–68, Cl. 156—216.

Voelkerding, Frank J. Adjusting golf tee and sight. 3,406,977, 10–22–68, Cl. 273—202.

Voeller, Rolf, to Fortuna-Werke Spezlafmaschinfabrik Aktiengesellschaft. Eccentric and means for adjusting the eccentricity thereof. 3,375,732, 4–2–68, Cl. 74—571.

Voelskow, Peter, to Hombak Maschlenfabrik K.G. Comminuting machine for wood. 3,371,693, 3–5–68, Cl. 144—172.

Voetter, Heinz: *See*—
Campagne, Nicolaas V. L., and Voetter. 3,364,138.

Voetter, Ulrich E., to Schlumberger Technology Corp. Fluid-sampling apparatus. 3,396,796, 8–13–68, Cl. 166—100.

Vogel, Arthur C. World time guide device. 3,412,494, 11–26–68, Cl. 40—70.

Vogel, Arthur E., ¼ to A. E. Vogel, R. Dawson, W. H. F. Schmieding, and P. Fultz. Controlled suspension system for vehicles. 3,399,905, 9–3–68, Cl. 280—124.

Vogel, Arthur E., 25% each to said Vogel, R. Dawson, P. Fultz, and W. H. F. Schmieding. Control system for vehicle suspension. 3,404,898, 10–8–68, Cl. 280—6.

Vogel, Arthur E., 25% each to said Vogel, R. Dawson, P. Fultz, and W. H. F. Schmieding. Method and apparatus for controlling vehicle suspension. 3,404,899, 10–8–68, Cl. 280—6.

Vogel, Charles A.: *See*—
Skov, Erling P., and Vogel. 3,409,746.

Vogel, Clifford E. Apparatus for the harvesting of tobacco. 3,396,520, 8–13–68, Cl. 56—27.5.

Vogel, Ferdinand L., Jr.: *See*—
Garnache, Richard R., and Vogel. 3,375,418.

Vogel, George E.: *See*—
Kohl, Charles F., Stark, and Vogel. 3,386,905.

Vogel, Herward A., to Minnesota Mining and Mfg. Co. Stabilized polyarylsulfone polymers and process. 3,393,181, 7–16–68, Cl. 260—79.3.

Vogel, Herward A., to Minnesota Mining and Mfg. Co. Polysulfones and process for making. 3,406,149, 10–15–68, Cl. 260—49.

Vogel, Josef, G. Arnold, B. Vinzelberg, P. Fischer, O. Koch, and H. Walz, to Farbenfabriken Bayer Aktiengesellschaft. Spectral photometer analysis recorder. 3,413,652, 11–26–68, Cl. 346—33.

Vogel-Peterson Co.: *See*—
Magnuson, Raymond A. 3,411,633.

Vogel, Raimund. Reinforced footwear. 3,410,006, 11–12–68, Cl. 36—3.

Vogel Robert E.: *See*—
Beckwith, Sterling, and Vogel. 3,403,525.

Vogel, Rudolf. Pocket magnifier. 3,409,347, 11–5–68, Cl. 350—242.

Vogel, Ruth: *See*—
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Warner, Douglas K., deceased (by L. E. Warner, and E. W. Roberts, joint executrixes). Heavy load ground effect machines. 3,366,195, 1–30–68, Cl. 180—7.
Warner, Edgar. Pattern coater. 3,392,702, 7–16–68, Cl. 118—246.
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Watanabe, David J., to Union Oil Co. of California. Hydraulic fracturing of tilted subterranean formations. 3,416,606, 12-17-68, Cl. 166—42.

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Watanabe, Hiroshi, and C. Munakata, to Hitachi Ltd. Apparatus for measuring impedance of a specimen employing two opposite polarity charged particle beam probes. 3,403,332, 9-24-68, Cl. 334—57.

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Watanabe, Yasuo, T. Arawaka, and T. Takahashi. Molecular distillation process for the recovery of a ferrulic acid ester of triterpene alcohol. 3,362,892, 1-9-68, Cl. 203—89.

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Water Pollution Control Corp.: *See*—
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Cole, John A. 3,382,705.

Water Safety & Utility Research, Inc.: *See*—
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Waterhouse, Peter, to Dominion Engineering Works, Ltd. Roll ejector. 3,406,925, 10-22-68, Cl. 242—66.

Waterhouse, Peter, and H. F. Tincombe, to Dominion Engineering Works, Ltd. Winder tension control. 3,386,681, 6-4-68, Cl. 242—75.44.

Waterloo Valve Spring Compressor Co.: *See*—
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Waterman, Logan C., and A. D. Franse, to Petrolite Corp. Electric filter. 3,393,143, 7-16-68, Cl. 204—306.

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Waterman, Neil S. Dispensing container for spreading particulate material. 3,383,019, 5-14-68, Cl. 222—151.

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Watermann, Jurgen. Flow control valve for regulating fluid flow rates. 3,373,767, 3-19-68, Cl. 137—503.

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Waters, James L., and J. L. Slonneger, to General Electric Corp. Motor speed responsive arrangement for controlling motor winding circuits. 3,381,197, 4-30-68, Cl. 318—221.

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Waters, Oscar B., Jr., ½ to W. R. Grace & Co., and ½ to United States of America, Interior. Method for separating Na_2SO_4 from brines or bitterns. 3,399,961, 9-3-68, Cl. 23—121.

Waters, Oscar B., Jr., and M. L. Salutsky, ½ each to The United States of America, Interior and W. R. Grace & Co. Removal of potassium and sodium sulfate from brines and bitterns. 3,402,018, 9-17-68, Cl. 23—121.

Waters, Robert F., to Standard Oil Co. Fuel cell electrode and process for its manufacture. 3,405,007, 10-8-68, Cl. 136—86.

Waters, Rolland M., and J. C. Smith, to Dow Chemical Co. Flame resistant epoxy resins containing phosphorus and a halogen. 3,372,208, 3-5-68, Cl. 260—830.

Waters, Warren P., and B. K. Lovelace, to Texas Instruments Inc. Method of forming a metal contact on a semiconductor device. 3,388,000, 6-11-68, Cl. 117—212.

Waters, William A. Helmet. 3,391,407, 7-9-68, Cl. 2—171.3.

Waterton, Frank, to Associated Electrical Industries Ltd. Welding method for constructing an envelope. 3,375,572, 4-2-68, Cl. 29—482.

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Watkin, Theodore. Educational article. 3,363,334, 1-16-68, Cl. 35—28.

Watkins, Boyd G., to General Micro-Electronics Inc. Integrated latch circuit. 3,401,319, 9-10-68, Cl. 317—235.

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Watkins, Charles W., to The Singer Co. Tufting machines for producing terry-like fabrics and fabrics produced thereby. 3,361,096, 1–2–68, Cl. 112—79.
Watkins, Charles W., to The Singer Co. Tufting machines and methods for producing terry-like fabrics and fabrics produced thereby. 3,376,835, 4–9–68, Cl. 112—79.
Watkins, Charles W., to The Singer Co. Tufting machines for and the method of producing terry-like fabrics. 3,401,657, 9–17–68, Cl. 112—79.
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Watkins, Fred E., to Camco, Inc. Manual and piston valve operator. 3,402,912, 9–24–68, Cl. 251—14.
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Watkins, James F., to Cryo-Cool Corp. Refrigeration system including liquified gas tank. 3,406,533, 10–22–68, Cl. 62—217.
Watkins, James W., Jr., to American Telephone and Telegraph Co. Telephone dial tone delay measuring circuit. 3,379,838. 4–23–68, Cl. 179—175.
Watkins, John A., to Patwin, Inc. Binary signal responsive electromagnetic indicator. 3,376,569, 4–2–68, Cl. 340—325.
Watkins, John A., to United-Carr Inc. Detenting apparatus for electromagnetic indicator wheel structure. 3,411,154, 11–12–68, Cl. 340—378.
Watkins, John A., to United Carr, Inc. Electromagnetic indicator wheel structure having variable position stator. 3,412,393, 11–19–68, Cl. 340—378.
Watkins, John A., and E. R. Lang, to Patwin, Inc. Power-off indicator. 3,375,512, 3–26–68, Cl. 340—378.
Watkins, Lucius D., to Outboard Marine Corp. Sheave drive. 3,362,242, 1–9–68, Cl. 74—230.17.
Watkins, Lucius D., to Outboard Marine Corp. Idling arrangement for internal combustion engine. 3,400,702, 9–10–68, Cl. 123—198.
Watkins, Lucius D., to Outboard Marine Corp. Segmented float for air compressor. 3,414,921, 12–10–68, Cl. 9—400.
Watkins, Roland H. W., to British Insulated Callender's Cables Ltd. Electric cable installations. 3,406,245, 10–15–68, Cl. 174—15.
Watkins, Wilfred L., and L. L. Kepkay, to Massey-Ferguson Service N.V. Automatic table height control. 3,417,555, 12–24–68, Cl. 56—208.
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Watkinson, Leonard J., to W. H. Howson, Ltd. Processing of presensitized photolithographic printing plates. 3,399,994, 9–3–68, Cl. 96—48.
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Watrous, Donald L., and J. D. Harnden, Jr., to General Electric Co. Electronic refrigeration control system. 3,408,825, 11–5–68, Cl. 62—156.
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Watson, Barron C., to United States of America, Atomic Energy Commission. Time resolving mechanical accelerometer. 3,389,606, 6–25–68, Cl. 73—492.
Watson, Barron C., to United States of America, Atomic Energy Commission. Accelerometer. 3,412,616, 11–26–68, Cl. 73—492.
Watson, Beric R., to John Waddington, Ltd. Manufacture of cartons. 3,362,527, 1–9–68, Cl. 206—45.29.
Watson, Carter A., to Georgia-Pacific Corp. Decorative composition and a process for its use. 3,380,842, 4–30–68, Cl. 117—27.
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Sinclair, Kenneth, and Watson. 3,403,680.
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Watson, Edward, to Newport Instruments Ltd. Magnet assemblies for producing highly homogeneous magnetic fields. 3,412,352, 11–19–68, Cl. 335—298.
Watson, Edward J., Jr., to The Norwich Pharmacal Co. N-2,3-butadienyl-N-methylbenzylamine or the 2-chloro- derivative thereof. 3,397,236, 8–13–68, Cl. 260—570.9.
Watson, Emmett S. Differential refractometry. 3,386,332, 6–4–68, Cl. 88—14.
Watson, Eugene K., and J. M. Witheford, to American Cyanamid Co. Melamine production. 3,377,350, 4–9–68, Cl. 260—249.7.
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Watson, George A., to Celanese Corp. Method and apparatus for producing a semi-continuous filament yarn. 3,417,560, 12–24–68, Cl. 57—34.
Watson, George A., Jr., to Celanese Corp. of America. Apparatus and method for making cigarette filters. 3,384,932, 5–28–68, Cl. 19—65.
Watson, George H. Frangible and expandable assembly for parking meter supports, stanchions, poles and posts. 3,381,427, 5–7–68, Cl. 52—98.
Watson, Gerald L., and D. L. Stradley, to Moore Vue, Inc. Detecting and sorting means for sheets having flaws. 3,389,789, 6–25–68, Cl. 209—75.
Watson, Glenville R., and B. S. Schwartz, to Warner-Lambert Pharmaceutical Co. Diagnostic preparation for the detection of indole. 3,378,346, 4–16–68, Cl. 23—230.
Watson, Harold, and A. K. Wickson, to The Garrett Corp. Low loss switching circuit for controlling the flow of direct current. 3,363,164, 1–9–68, Cl. 321—8.
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Watson, James A., Jr. Stake forming apparatus. 3,367,375, 2–6–68, Cl. 143—57.
Watson, James F., to Texas Instruments Inc. Selective deposition of semiconductor materials. 3,409,483, 11–5–68, Cl. 148—175.
Watson, James P., and O. J. Shamblin, to Radio Corp. of America. Feeder apparatus. 3,372,923, 3–12–68, Cl. 271—23.
Watson, James R.: *See*—
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Watson, John W. Device for producing a tremolo effect on stringed musical instruments. 3,382,749, 5–14–68, Cl. 84—313.
Watson, Lester K., to Pennsylvania Saw Corp. Pruning cutter. 3,360,859, 1–2–68, Cl. 30—249.
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Watson, Richard W., to Garlock Inc. Graphite braided packing. 3,403,595, 10–1–68, Cl. 87—1.
Watson, Robert, Jr. Building structure with alternating structural members and panels in compression. 3,397,500, 8–20–68, Cl. 52—495.
Watson, Robert A., R. E. Mahoney, T. C. Nielsen, and J. J. Kiernan, to International Business Machines Corp. Digital accelerometer. 3,386,292, 6–4–68, Cl. 73—517.
Watson, Robert D. Method of preparing tubes of certain metals for subsequent joining by welding. 3,367,020, 2–6–68, Cl. 29—475.
Watson, Robert D., J. H. C. Long, and R. V. Hacking, to Atomic Energy of Canada Ltd. Bearing structure. 3,418,028, 12–24–68, Cl. 308—241.

Watson, Robert T., to International Telephone and Telegraph Corp. Invisible light sensor tube and faceplate material. 3,415,990, 12–10–68, Cl. 250—71.5.
Watson, Stanley A.: *See*—
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Nemrod, Henry S., and Watson. 3,363,293.
Watson, Thomas D. Electrical switch box for mobile home service. 3,361,938, 1–2–68, Cl. 317—120.
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Watson, William G., to S. A. Parsons and Co., Ltd. Speed governing system with converter device between two separate fluid circuits. 3,375,837, 4–2–68, Cl. 137—36.
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Watt, William E. R., and E. J. Willis, to Aluminum Co. of America. Method for making molded articles. 3,373,479, 3–19–68, Cl. 29—421.
Wattelez, Paul L. Framing element for mounting panels more particularly of panes on a frame such as a door or window. 3,360,893, 1–2–68, Cl. 52—105.
Wattenford, Herman. Stove mounted portable clothes dryer. 3,360,871, 1–2–68, Cl. 34—90.
Wattenford, Herman. Unrolled cigarette charge pack. 3,385,302, 5–28–68, Cl. 131—4.
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Watters, Robert L., to General Electric Co. Telemetering protection circuit. 3,386,085, 5–28–68, Cl. 340—185.
Watters, Robert L., to General Electric Co. Method and apparatus for binaurally indicating electric signal magnitude. 3,386,086, 5–28–68, Cl. 340—242.
Watters, Robert L., to General Electric Co. Wide scale indicator for weak current amplitudes within a predetermined range above a minimum amplitude. 3,408,570, 10–29–68, Cl. 324—131.
Watters, Robert L., to General Electric Co. Electrical control circuit for a scanning monopole mass analyzer. 3,410,998, 11–12–68, Cl. 250—41.9.
Watterson, Henry J., to Watteredge Co. Balancing a three-phase power transmission system for an electric arc furnace. 3,366,725, 1–30–68, Cl. 13—12.
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Sutherland, James, and Watts. 3,402,806.
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Watts, Beulah S.: *See*—
Watts, Rhea N., Gensheimer, and Martzweiller. 3,373,211.
Watts, Claude H., and R. A. Horton, to Precision Metalsmiths, Inc. Ceramic shell molds and methods of production. Re. 26,495, 12–3–68, Cl. 164—25.
Watts, Cleal T., Jr. Grouser for tractor. 3,372,959, 3–12–68, Cl. 305—54.
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Francis, Frank P. G., and Watts. 3,416,627.
Watts, Grady. Method and apparatus for cleaning tanks. 3,401,060, 9–10–68, Cl. 134—1.
Watts, James B., to J. E. La Du. Manifold assembly for hot and cold water faucet pairs arranged back to back. 3,373,452, 3–19–68, Cl. 4—192.
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Watts, James P. Earth drilling auger. 3,382,935, 5–14–68, Cl. 175—313.
Watts, James P. Drilling auger. 3,382,937, 5–14–68, Cl. 175—323.
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Watts, Rhea N., deceased, (by B. S. Watts, legal representative and sole heir), D. E. Gensheimer, and J. K. Mertzweiller, to Esso Research and Engineering Co. Purification of alcohols by treatment with anhydrous Lewis acids. 3,373,211, 3–12–68, Cl. 260—643.
Watts, Richard M., to Reynolds Metals Co. Container and blanks for making the same. 3,373,922, 3–19–68, Cl. 229—33.
Watts, Richard M., to Reynolds Metals Co. Supporting structure and blanks therefor. 3,397,796, 8–20–68, Cl. 211—73.
Watts, Richard M., to Reynolds Metals Co. Supporting structure and blanks therefor. 3,404,912, 10–8–68, Cl. 294—87.2.
Watts, Ridley, Jr., to The American Packaging Corp. Display package. 3,407,928, 10–29–68, Cl. 206—78.
Watts, Ridley, Jr., and J. F. Berry, to The American Packaging Corp. Apparatus for heat sealing packages. 3,404,511, 10–8–68, Cl. 53—373.
Watts, Robert N., to Bell Telephone Laboratories, Inc. Error control decoding system. 3,411,135, 11–12–68, Cl. 340—146.1.
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Watts, William S., to AMP Inc. Connector means and methods for relatively soft conductors. 3,368,183, 2–6–68, Cl. 339—98.
Watts, Willie H., to Union Carbide Corp. Process of producing carbonized articles. 3,367,812, 2–6–68, Cl. 156—155.
Wattson, Harry B., to The Bendix Corp. Voltage regulator including means for eliminating ripple output voltages. 3,371,269, 2–27–68, Cl. 323—22.
Wattson, Harry B., to The Bendix Corp. Electrical network for preventing excessive load current. 3,373,341, 3–12–68, Cl. 323—9.
Waubke, Nils V., A. Winsel, and E. Justi, to Varta Aktiengesellschaft, and Sienens Aktiengesellschaft. Method and apparatus for regenerating a fuel cell electrolyte by electrodialysis and removing excess water. 3,378,403, 4–16–68, Cl. 136—86
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Waukesha Motor Co.: *See*—
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Wavetek: *See*—
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Waxter, William E.: *See*—
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Way, Douglas E., and H. A. Berry, to American Seating Co. Concealed fastening for seat ends. 3,419,241, 12–31–68, Cl. 248—361.
Way, Edgar G., and P. J. Attina. Extendable and retractable step apparatus. 3,403,926, 10–1–68, Cl. 280—166.
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Weir, Henry J. Laundry feeding machine. 3,376,036, 4-2-68, Cl. 271—54.
Weir, Henry J. Laundry stacker. 3,412,875, 11-26-68, Cl. 214—6.
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Weir, Thomas J., to Wallace-Murray Corp. Flexible blade fan. 3,406,760, 10-22-68, Cl. 170—160.5.
Weir, Walter F., to Andrew Antenna Co. Ltd. Parabolic antenna with low-loss flexible radome. 3,388,401, 6-11-68, Cl. 343—872.
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Weirauch, Fred E. Educational visual aid. 3,387,389, 6-11-68, Cl. 35—31.
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Weirich, Walter, and W. Watermann, to Gewerkschaft Eisenhutte Westfalia. Mine roof support. 3,367,117, 2-6-68, Cl. 61—45.
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Weisbach, Jerry A., to Smith Kline & French Laboratories. 2-isoquinolinyl (and carbolinyl) alkyloctahydroindolo [2,3-A]-quinolizines. 3,415,831, 12-10-68, Cl. 260—288.
Weisbeck, Ralph L., to Unipunch Products, Inc. Apparatus for perforating sheet material. 3,368,436, 2-13-68, Cl. 83—140.
Weisbeck, Roland, to Farbenfabriken Bayer Aktiengesellschaft. Production of highly pure hexagonal crystals of cadmium and zinc chalkogenides by sublimation. 3,362,795, 1-9-68, Cl. 23—294.
Weisbecker, Charles J., to Anaconda Wire and Cable Co. Strand wiping apparatus. 3,386,120, 6-4-68, Cl. 15—210.
Weisbecker, Joseph A. Computer-type game and teaching aid. 3,388,483, 6-18-68, Cl. 35—30.
Weisbecker, Joseph A. Computer-type teaching and amusement device. 3,390,472, 7-2-68, Cl. 35—30.
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Weiser, Earnest F., to General Electric Co. Motor control for controlling both armatures and field circuits. 3,378,746, 4-16-68, Cl. 318—332.
Weiser, Earnest F., to General Electric Co. Circuit to control motor current or battery charging current. 3,414,795, 12-3-68, Cl. 320—9.
Weisfeld, Lewis B., and C. W. Pause, to Carlisle Chemical Works, Inc. Preparation of diorganotin maleates. 3,392,179, 7-9-68, Cl. 260—429.7.
Weisglass, Louis L., to Simmon Brothers, Inc. Variable contrast light source for condenser enlargers. 3,374,706, 3-26-68, Cl. 88—24.
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Weiss, Adolf F., to Alpha Press Co., d.b.a. Alpha Industrial Center. Strike adjustment means for cylinder and piston assembly. 3,407,710, 10-29-68, Cl. 92—13.
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Weiss, Ernst, to Heberlein Patent Corp. Method for producing permanently crimped, elastic chemically modified cotton yarns. 3,396,530, 8–13–68. Cl. 57—156.
Weiss, Erwin M., and R. Brander, to Beltone Electronics Corp. Automatic physiological testing apparatus. 3,392,241, 7–9–68, Cl. 179—1.
Weiss, Felix S., to Cornell-Dubilier Electric Corp. Method of manufacturing capacitors. 3,394,441, 7–30–68, Cl. 29—25.42.
Weiss, Francis, J. Modiano, and A. Lakodey, to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Process for preparing adipic acids by alkaline fusion of E-hydroxy-caproic acid and its derivatives. 3,404,179, 10–1–68, Cl. 260—537.
Weiss, Franz. Eccentric adjustment for infinitely variable switch gear mechanisms. 3,377,865, 4–16–68, Cl. 74—393.
Weiss, Hans R., to The Dantamor Co. Seat belt massager. 3,416,815, 12–17–68, Cl. 280—150.
Weiss, Hansjurgen, to Dornier System G.m.b.H. Device for preventing trailing-edge fluttering of paraglider airfoils. 3,399,848, 9–3–68, Cl. 244—41.
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Weiss, Herbert, to Siemens Aktiengesellschaft. Semiconductor device with anisotropic inclusions for producing electromagnetic radiation. 3,377,529, 4–9–68, Cl. 317—237.
Weiss, Herbert, to Siemens Aktiengesellschaft. Radiation sensor utilizing semiconductor body having photo-electromagnetic effect. 3,408,499, 10–29–68, Cl. 250—211.
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Weiss, Joseph. Internal combustion engines. 3,416,502, 12–17–68, Cl. 123—75.
Weiss, Joseph, and J. G. Macco. Cable tension indicator. 3,372,582, 3–12–68, Cl. 73—144.
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Weiss, Kurt W., to North American Philips Co., Inc. Method of varying the concentration of impurities in a semiconductor body. 3,380,902, 4–30–68, Cl. 204—140.
Weiss, Leonard, and T. B. Meyerstein. Vortex producing apparatus. 3,372,873, 3–12–68, Cl. 239—99.
Weiss, Malcolm A., C. H. Worsham, H. H. Horowitz, and M. J. Prager, to Esso Research and Engineering Co. Method of adding organic surface active agent to fuel cell electrolyte. 3,403,055, 9–24–68, Cl. 136—86.
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Weiss, Morris, to Barnes Engineering Co. Light spot projection system for infrared camera. 3,371,212, 2–27–68, Cl. 250—83.3.
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Weissberg, Roman. Container for precious stones. 3,406,821, 10–22–68, Cl. 206—75.
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Weitzel, Hans, K. Dinges, E. Grigat, and R. Pütter, to Farbenfabriken Bayer Aktiengesellschaft. Olefinically unsaturated cyanic acid aryl esters and polymers thereof. 3,383,359, 5–14–68, Cl. 260—47.
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Weitzner, Dorothea M. Sound producing device. 3,371,933, 3–5–68, Cl. 274—1.
Weitzner, Dorothea M. Electrically operated music display and cuing apparatus. 3,379,087, 4–23–68, Cl. 84—478.
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Weitzner, Dorothea M. Motorized multi-roller heat press hanger. 3,398,474, 8–27–68, Cl. 38—101.
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Amsterdam, Michael F., Shaikh, and Tarneja. 3,370,986.
Anderson, George R. 3,388,553.
Andrews, Harry N., and Keller. 3,379,617.
Andrews, Harry N., and Vespa. 3,379,619.
Ankenman, Earl B., and Morgan. 3,405,340.
Apfelbeck, Otto L. 3,398,366.
Apfelbeck, Otto L. 3,403,265.
Apfelbeck, Otto L., and Eversole. 3,383,522.
Arnold, Wayne E. 3,381,289.
Asars, Juris A. 3,415,991.
Asseo, Sabi J. 3,419,777.
Atkinson, Russell H., and Sell. 3,412,286.
Attl, Eros. 3,364,373.
Ayling, Robert W., and Thayer. 3,388,855.
Azinger, Frederick A., Jr. 3,379,847.
Azinger, Frederick A., Jr. 3,379,850.
Baker, Benjamin P. 3,378,729.
Baker, Gerald E. 3,376,871.
Barditch, Irving F., Bento, and Brooks. 3,411,099.
Barditch, Irving F., Dzimianski, and Fogle. 3,361,984.
Barditch, Irving F., and Freeman. 3,365,673.
Basch, Harry W. 3,363,957.
Bellman, Brian M., Blas, and Moore. 3,372,389.
Benbow, Eugene C. 3,398,367.
Benbow, Eugene C. 3,406,338.
Bentley, John M., and Watson. 3,419,771.
Berkovitz, Harry, and Rissler. 3,405,782.
Biehn, Gerald L., and Palmer. 3,381,489.
Blinn, Harold O. 3,400,910.
Bobo, Powell O. 3,376,374.
Bobo, Powell O. 3,383,575.
Bock, Ashley P. 3,367,639.
Bock, Ashley P., Henry, and Redmond. 3,398,252.
Boes, David J., and Dezzutti. 3,405,063.
Bonzo, Thompson K., Sauers. 3,371,151.
Boyer, John L. 3,413,532.
Brane, Maxwell D. 3,419,786.
Bratkowski, Walter V., Radus, and Frisch. 3,391,358.
Brody, Thomas P. 3,364,367.
Broverman, Alvin Y., Wilburn, Jones, and Regar. 3,374,453.
Brown, Francis X., and Poole. 3,367,414.
Browne, Thomas E., Jr., and Wolf. 3,389,282.
Bruha, Peter J. 3,402,606.
Bruning, Armin M., and Kemeny. 3,395,239.
Buck, Daniel C. 3,398,314.
Buck, Daniel C. 3,413,512.
Cameron, Frank L. 3,374,328.
Cameron, Frank L. 3,374,330.
Cameron, Frank L. 3,401,245.
Cane, Domenick, Katzor, and Rabas. 3,398,059.
Cannon, Lloyd M. 3,405,986.
Caputo, William R. 3,376,486.
Carlson, Ronald J., Simons, and Bradford. 3,402,870.
Carter, Henry G., Jr., and Gifford. 3,416,348.
Carter, Woodward C., II, and Ivey. 3,411,055.
Childs, Gordon E. 3,370,933.
Chu, Ting L. 3,372,671.
Chu, Ting L., and John. 3,373,051.
Circle, Robert R., and Prunty. 3,390,240.
Clark, Myron A. 3,414,109.
Clark, Myron A., and Fosburg. 3,405,783.
Cobb, William R. 3,362,737.
Cochardt, Alexander W. 3,371,044.
Cochardt, Alexander W. 3,380,920.
Cochardt, Alexander. 3,412,461.
Cohen, Paul. 3,366,716.
Colt, Roland L., and Stalcup. 3,367,845.
Colclaser, Robert G., Jr. 3,398,357.
Colclaser, Robert G., Jr., and Friedrich. 3,383,519.
Colclaser, Robert G., Jr., and Reese. 3,379,848.
Conner, John P. 3,364,450.
Conner, John P. 3,382,469.
Conner, John P., and Grunert. 3,368,171.
Cook, John W. 3,411,332.
Cook, John W. 3,418,834.
Cornell, Archie R., and Wyman. 3,385,999.
Corth, Richard. 3,411,959.
Couvillon, James B. 3,405,369.
Cricchi, James R., and Reininger. 3,401,294.
Cromer, Charles F. 3,364,327.
Croop, Edward J., and Vondracek. 3,383,275.
Cunningham, Richard C., and Severson. 3,388,230.
Daley, Thomas J., Mindt, and Kuhn. 3,413,552.
Dalton, Robert F., and Barnett. 3,418,780.
Davidson, John D., and Murphy. 3,371,266.
Davis, Earl K. 3,379,942.
Decker, Robert E. 3,395,314.
De Corso, Serafino M. 3,369,067.
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Eckel, Robert A., and Nagy. 3,416,023.
Edris, Charles R., Fraser, and Unglert. 3,398,312.
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Emerson John H. 3,402,711.
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English, William A. 3,407,521.
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Foster, Edwin S. 3,401,253.
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Fox, Clyde C. 3,402,617.
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Fromson, Robert E. 3,365,381.
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Gamel, Gayne D., and Findley. 3,381,247.
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Gorton, William S., Jr. 3,410,738.
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Grimmer, Elmer J. 3,394,455.
Griscom, Samuel B. 3,371,144.
Grover, Elliott B. 3,411,705.
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Guard, Gilbert M. 3,365,901.
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Jordan, Angel G. 3,408,600.
Kaiser, Francis D., and Risainger. 3,395,327.
Kaletka, Albert C., Martinec, Kummer, and Sucic. 3,412,-609.
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Kaplan, Leonard A. 3,365,672.
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Kastovich, John C., and Meess. 3,372,739.
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Keady, Richard J., and Petersen. 3,379,897.
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Kemeny, George A., and De Corso. 3,395,240.
Kemeny, George A., and Kienast. 3,371,189.
Kemeny, George A., and Wolf. 3,379,908.
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Keppler, Arthur T. 3,363,088.
Kernick, Andress. 3,412,316.
Kessler, Michael H. 3,375,936.
Kessler, Michael H. 3,380,615.
Kessler, Michael H. 3,402,508.
Kienast, Peter F. 3,369,068.
Kienast, Peter F. 3,381,171.
Kilgore, Lee A., and Spindle. 3,386,027.
Kilgore, Lee A., Spindle, Casanova, and Dakin. 3,398,348.
Kilp, Gerald R., Bergstrom, and Ferrari. 3,409,978.
Kimball Henry B. 3,385,993.
Knoebel, Donald E., and Percival. 3,361,874.
Knopp, Adalbert N. 3,362,858.
Krasberg, Alan R. 3,405,629.
Kruper, Andrew P. 3,388,860.
Lake, Glen W. 3,369,166.
Lanyi, Ronald J., and Helm. 3,406,302.
Lauriente, Mike, Lynn, Winter, and Higgins. 3,362,065.
Lawrence, Robert J., and Carothers. 3,374,237.
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Lee, Paul R. 3,381,100.
Leeds, Winthrop M. 3,364,326.
Leeds, Winthrop M. 3,371,176.
Leitz, William H. 3,379,285.
Leonard, Merrill G. 3,405,283.
Lesster, Laban E. 3,389,304.
Lester, Robert A., and Nelkin. 3,367,450.
Lin, Hung C. 3,363,152.
Lin, Hung C. 3,378,780.
Lin, Hung C. 3,412,460.
Lin, Hung C. 3,418,492.
Lin, Hung C., and Hellstrom. 3,391,311.
Lin, Hung C., and Karcher. 3,414,782.
Lindsay, William T., Jr. 3,401,094.
List, William F., Demco and Donaldson. 3,417,397.
Lloyd, Wayne B., and Schlissler. 3,400,541.
Loch, Charles H. 3,369,112.
Loch, Charles H. 3,369,113.
Lockie, Arthur M., and Book. 3,401,058.
Long, Olan L. 3,415,261.
Longini, Richard L. 3,403,309.
Loose, Robert A. 3,380,889.
Ludwig, Howard C. 3,378,713.
Luongo, Michael C., and Smith. 3,365,614.
Macdonald, Copthorne. 3,389,221.
Mackintosh, Ian M. 3,391,035.
Maniero, Daniel A., and Kemeny. 3,406,306.
Marbury, Ralph E. 3,385,941.
Marino, Joseph, and Schaefer. 3,418,543.
Marshall, Donald E. 3,395,300.
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Martin, Jack. 3,361,958.
Mattern, John. 3,366,955.
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McCleerey, Earl W. 3,372,498.
McClure, Charles, Jr. 3,368,047.
McCurdy, William H., and Fink. 3,361,922.
McGinnis, Gerald E. 3,376,660.
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McLaughlin, Emmett J. 3,363,094.
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Mendelsohn, Morris A., and Rogers. 3,378,630.
Metcalfe, Frederick S. 3,415,074.
Meyerhoff, Alfred. 3,415,943.
Meyerhoff, Alfred, and Motto. 3,361,195.
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Michel, George P. 3,386,058.
Milberger, Walter E., and Weigle. 3,405,322.
Mixon, Joseph L. 3,368,573.
Mole, Cecil J. 3,370,434.
Montoro, Richard A. 3,397,438.
Moody, James B. 3,367,206.
Mooney, David H., Jr., and Porter. 3,386,093.
Moore, Harold R. 3,391,363.
Moore, James O. 3,414,783.
Moore, Thomas M. 3,413,635.
Moreland, William C., II. 3,388,560.
Moreland, William C., II. 3,405,315.
Moreland, William C., II. and Learn. 3,390,543.
Morgan, Stanley E., and Kingsley. 3,378,320.
Morris, Robert D., and Hollister. 3,416,110.
Moskowitz, Charles. 3,408,601.
Moss, Hilary. 3,383,536.
Motto, John W., Jr. 3,371,267.
Moxie, Joseph E., and Shirley. 3,391,294.
Mullis, Clyde M., and Tosato. 3,365,051.
Nagel, George W. 3,390,909.
Nagel, George W. 3,410,988.
Nagy, Rudolph. 3,403,252.
Narbut, Paul. 3,371,298.
Nathanson, Harvey C., and Wickstrom. 3,413,573.
Naul, George M., and Roberts. 3,378,043.
Nelkin, Arthur, and Geil. 3,412,390.
Neulinger, Karl H., and Yatcko. 3,373,311.
Newberry, Meigs W. 3,361,505.
Newberry, Meigs W. 3,361,506.
ewberry, Meigs W. 3,362,579.
Newberry, Meigs W. 3,379,342.
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Newell, William E. 3,389,343.
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Oglesbee, Wendell A. 3,383,554.
O'Neill, Wilbur J. 3,370,585.
Orebic, Oleg J., and Handmann. 3,407,464.
Ormsby, Harry L. 3,371,240.
Ortolano, Ralph J. 3,417,964.
Osial, Thaddeus A., Steinbruegge, and Ravas. 3,405,316.
Osterhout, Joseph C. 3,361,923.
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Ott, Richard R., and Blair. 3,415,001.
Pablonski, Eugene. 3,385,583.
Page, Derrick J. 3,398,311.
Palazzolo, Salvatore E., and Hood. 3,378,433.
Palmer, Douglas W. 3,408,466.
Palumbo, Anthony J., and Ford. 3,419,498.
Pankow, Edmund G. 3,362,693.
Parker, Delbert R. 3,363,135.
Partington, Albert J. 3,367,629.
Pasculler, Maurice J. 3,366,864.
Patterson, Calvin C. 3,401,244.
Patterson, Calvin C. 3,401,246.
Paxinos, Hercules. 3,368,067.
Payne, Wesley J., and Campagna. 3,405,306.
Peck, Clarence E., and Bobart. 3,386,579.
Pelly, Brian R. 3,391,327.
Pelly, Brian R., and Lesster. 3,363,141.
Peterson, Carl A. 3,390,930.
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Phillips, Calvert F., Jr. 3,391,403.
Pietrzyk, Johannes P. 3,389,295.
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Plagge, Vernon L. 3,413,511.
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Powell, Kenneth D. 3,412,283.
Powell, Kenneth D. 3,414,760.
Price, David B. 3,372,473.
Price, David B. 3,395,266.
Prines, Frank J., and Pledger. 3,373,313.
Pulaski, John W. 3,405,987.
Putman, Richard E. J. 3,379,421.
Rackley, Carle E. 3,388,247.
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Reynolds, James C. 3,364,692.
Rice, Leslie R. 3,412,312.
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Rimbach, Henry W. 3,415,756.
Rockefeller, George D., Jr. 3,381,178.
Rohrer, Kenneth L. 3,404,968.
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Rose, Richard G. 3,361,857.
Rouvalis, George. 3,363,157.
Ruka, Roswell J., and Weissbart. 3,400,054.
Ruppen, Edward W., Jr. 3,395,076.
Russ, George H., and Wright. 3,413,475.
Salvati, John G., and Ricci. 3,371,296.
Sanders, Terry D. 3,412,232.
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Santilli, Vincent J. 3,391,297.
Sattler, Frank A. 3,406,045.
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Schatz, Robert A. 3,371,248.
Schmahl, Henry. 3,385,280.
Schmidt, Paul F. 3,410,766.
Schmidt, Paul F. 3,419,480.
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Schutte, Marlin D. 3,361,361.
Schutte, Marlin D. 3,375,854.
Schwanenflugel, Paul J. 3,405,320.
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Scott, George W., and Harper. 3,368,059.
Seidel, Joseph, and Eaves. 3,418,710.
Seidel, Martin P., Norton, and Wentz. 3,417,466.
Shaffer, Robert A., and Bonney. 3,371,239.
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Sholtes, Carl E. 3,363,432.
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Smeltzer, George S. 3,389,322.
Smith, Andrew W., Jr. 3,363,441.
Smith, Andrew W., Jr. 3,387,470.
Smith, Clarence M. 3,363,215.
Smith, James F. 3,402,460.
Smith, James F., and Miller. 3,378,670.
Smith, John D. 3,385,645.
Smith, William C. 3,387,707.
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Spindle, Harvey E. 3,418,575.
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Stein, Gerhard M. 3,371,300.
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Steinert, Emil F., and Frederick. 3,391,333.
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Wheeler, John B., III, to Union Carbide Corp. Thermoplastic matrix. 3,380,880, 4–30–68, Cl. 161—184.

Wheeler, John B., III, J. Sonia, H. Samuels, and J. G. Kirkis, to Union Carbide Corp. Molding thermoplastic printing plates. 3,408,437, 10–29–68, Cl. 264—226.

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White, Lyle V., to Shell Oil Co. Soil-borne nematode control by seeds treated with 2,4-dihalophenyl ester of lower alkane and haloalkane sulfonic acids. 3,395,232, 7–30–68, Cl. 424—303.
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White, Robert G., and R. W. Gifford, to S. F. Reekie, J. T. Chiodo, and R. G. White. Smoke-filtering device. 3,367,343, 2–6–68, Cl. 131—187.
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Wiljanen, Mervin E., to American Motors Corp. Refrigerating apparatus-single evaporator. 3,382,683, 5–14–68, Cl. 62—186.

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Wilkes, John G., to The General Electric Co. Ltd. Formation of coatings on germanium bodies. 3,401,056, 9–10–68, Cl. 117—212.

Wilkes, Richard D., to United Aircraft Corp. Locking device for aircraft landing gear. 3,361,390, 1–2–68, Cl. 244—50.

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Wilkinson, Bruce L., to Power Conversion, Inc. High frequency controlled rectifier circuit. 3,376,494, 4–2–68, Cl. 321—45.

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Wilkinson, Leonard A., to American Optical Co. Slit lamp. 3,407,019, 10–22–68, Cl. 351—14.

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Wilkinson, Robert J., to American Home Products Corp. Feeder apparatus. 3,382,010, 5–7–68, Cl. 302—2.

Wilkinson, Samuel C. W., to Crane Packing Ltd. Method of forming a flexible bellows connection between axially spaced members. 3,372,076, 3–5–68, Cl. 156—190.

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Wilkinson, William H., and J. R. Thorson, to Mobil Oil Corp. Drive axle. 3,396,605, 8–13–68, Cl. 73—650.

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Wilks, Louis P., to Velsicol Chemical Corp. 1,4,5,6,7,7-hexabromo-N-(ethylmercuri)-5-norbornene - 2,3 - dicarboximide. 3,406,182, 10–15–68, Cl. 260—326.

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Willett, Joseph T., to Wyandotte Chemicals Corp. Mercury compounds as catalysts for the polyurethane reaction. 3,419,509, 12–31–68, Cl. 260—18.
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Williams, Chester I. Rock bolt assembly for up-grouting operations. 3,379,019, 4–23–68, Cl. 61—45.
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Wilson, Robert F. Rolled carpet handling truck. 3,404,794, 10–8–68, Cl. 214—653.

Wilson, Robert G., and R. W. Rogers. Deep fat pressure cooker. 3 364,845, 1–23–68, Cl. 99—336.

Wilson, Robert J., to Eastman Kodak Co. Film drying apparatus. 3,403,455, 10–1–68, Cl. 34—159.

Wilson, Robert L. Rear view mirror for mounting on the vent window of an automobile. 3,394,979, 7–30–68, Cl. 350—307.

Wilson, Robert L. Fishing rod grip. 3,410,017, 11–12–68, Cl. 43—22.

Wilson, Robert L., W. H. Budd, and J. D. Van Benthuysen, to CTS Corp. Electrical control with panel mounting means. 3,366,911, 1–30–68, Cl. 338—197.

Wilson, Robert M., to Dare Products, Inc. Handling and dispensing device for wire and the like. 3,378,215, 4–16–68, Cl. 242—171.

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Wilson, Ronald M., to William M. Wilson's Sons, Inc. Two-key multiple totalizer. 3,380,630, 4–30–68, Cl. 222—26.

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Wilson, Russell R., and W. G. Wilder. Body encircling belt with fish carrier means. 3,401,857, 9–17–68, Cl. 224—7.

Wilson, Russell W. Adjustable package-forming machine. 3,415,171, 12–10–68, Cl. 93—82.

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Wilson, Warren M. Heating apparatus. 3,391,729, 7–9–68, Cl. 165—39.

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Wilson, Wayne. Watercraft propulsion. 3,403,654, 10–1–68, Cl. 115—1.

Wilson, Wayne D., and B. L. Snavely, to United States of America, Navy. Differential transformer densitometer. 3,368,393, 2–13–68, Cl. 73—94.

Wilson, Wayne D., and H. B. Hall. Method for synthesis of carbon crystals. 3,383,298, 5–14–68, Cl. 204—155.

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Winberg, Hilmer E., to E. I. du Pont de Nemours and Co. Thickened chemiluminescent gels based on peraminoethylenes. 3,377,291, 4–9–68, Cl. 252—188.3.
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Winderl, Siegfried, H. Hoffmann, C. Palm, H. Nohe, K. Baer, and H. Harders, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of acrylonitrile and methacrylonitrile. 3,414,606, 12–3–68, Cl. 260—465.3.
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Winkler, Alfred, H. Ernst, and D. Engelsmann, to Agfa-Gevaert Aktiengesellschaft. Camera housing. 3,380,362, 4–30–68, Cl. 95—31.
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Winkler, Alfred, K. Bammesberger, and E. Fischer, to Agfa-Gevaert Aktiengesellschaft. Photographic flash unit. 3,384,-863, 5–21–68, Cl. 339—147.
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Wood, Frank, and E. Clark, to Ferodo Ltd. Friction material. 3,402,054, 9–17–68, Cl. 106—36.
Wood, Frank D., to George Angus & Co. Ltd. Method of manufacturing a hose. 3,370,115, 2–20–68, Cl. 264—94.
Wood, Frank R., to T. S. Simms & Co., Ltd. Paint roller covering applying machine. 3,401,073, 9–10–68, Cl. 156—353.
Wood, Fred A., and J. A. Gordon, to Ketch-All Co. Bird trap. 3,393,468, 7–23–68, Cl. 43—66.
Wood, Fred A., and J. A. Gordon. Animal and wild game trap. 3,394,487. 7–30–68, Cl. 43—61.
Wood, Frederick S., R. L. Menzl, M. E. Marks, and R. G. Garst, to Standard Oil Co. Process for purifying lubricating oils by hydrogenation 3,382,168, 5–7–68, Cl. 208—264.
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Aske, Charles B., Jr. 3,367,720.
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Aske, Charles B., Jr. 3,397,919.
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Wood, George C. Beater unit. 3,381,942, 5–7–68, Cl. 259—133.
Wood, George C. Dual chambered rotary mill, mixer and spreader containing retractable hoods. 3,383,053, 5–14–68, Cl. 239—658.
Wood, George C. Side delivery rake assembly kit. 3,389,544, 6–25–68, Cl. 56—377.
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Wood, George W., to IRC, Inc. Variable resistor with vernier drive. 3,388,365, 6–11–68, Cl. 338—162.
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Wood, Gillies, to The Bentley Engineering Co. Latch needle knitting machines. 3,397,556, 8–20–68, Cl. 66—111.

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Wood, Herbert H., to Canadian Industries Ltd. Method of improving the adhesive properties of polyolefin film by passing a diffuse electrical discharge over the film's surface. 3,369,982, 2–20–68, Cl. 204—168.

Wood, Herbert H., to Canadian Industries Ltd. Method of improving the adhesive properties of polyolefin film by passing a diffuse electrical discharge over the film's surface. 3,376,208, 4–2–68, Cl. 204—168.

Wood, Howard J., and J. A. Greiner. Building components. 3,416,277, 12–17–68, Cl. 52—300.

Wood, Howard L., to Wood's Powr-Grip Co., Inc. Vacuum gripping pad. 3,377,096, 4–9–68, Cl. 294—64.

Wood, Howard O.: *See*—
Wood, Robert L., and H. O. 3,402,228.

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Bray, Ulric B., and Wood. 3,418,900.

Wood, Jack K.: *See*—
Kamberg, Henry, and Wood. 3,387,419.

Wood, James Q.: *See*—
Davison, Joseph W., and Wood. 3,366,585.

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Wood, James Q., and A. A. Hoffman, Jr., to Phillips Petroleum Co. Furnace for making high abrasion and intermediate super abrasion furnace carbon blacks. 3,362,790, 1–9–68, Cl. 23—259.5.

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Nelson, Lowell F. 3,381,915.
Woollen, Charles E., Jr. 3,364,917.

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Wood, John W., Jr. Acoustic control apparatus. 3,419,235, 12–31–68, Cl. 244—138.

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Wood, Louis L., to W. R. Grace & Co. Preparation of ninhydrin. 3,419,616, 12–31–68, Cl. 260—590.

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Wood, Morris B. Dynamic direction indicator for motor vehicles. 3,387,260, 6–4–68, Cl. 340—82.

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Wood, Olen P., to Eldon Industries, Inc. Starting device for toy road race cars employing suction cup timer. 3,411,782, 11–19–68, Cl. 273—86.

Wood, Orin L., to Sperry Rand Corp. Fluid logic exclusive or device. 3,369,557, 2–20–68, Cl. 137—81.5.

Wood, Orin L., to Sperry Rand Corp. Pure fluid logic memory device. 3,405,726, 10–15–68, Cl. 137—81.5.

Wood, Orville T., to Vocaline Company of America. Keyboard construction. 3,417,649, 12–24–68, Cl. 84—433.

Wood, Philip, to FMC Corp. Strap sealing method and apparatus. 3,368,323, 2–13–68, Cl. 53—198.

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Wood, Prentice J., to The Mead Corp. Article carrier. 3,399,804, 9–3–68, Cl. 220—118.

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Woodcock, George S., and H. E., F. Simpson, and W. Clayton. Straight bar knitting machines. 3,399,550, 9–3–68, Cl. 66—5.

Woodcock, Herbert E.: *See*—
Woodcock, George S. and H. E., Simpson, and Clayton. 3,375,680.
Woodcock, George S., and H. E., Simpson, and Clayton. 3,399,550.

Woodcock, Melville T., and J. S. Whamby, to Babcock & Wilcox, Ltd. Magnetoplasmadynamic electric generators. 3,377,490, 4–9–68, Cl. 310—11.

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Woods, Gale E. and D. G.; said D. G. Woods assor. to H. A. Kirk. Football game incorporating an eccentrically weighted rollable disc. 3,409,298, 11–5–68, Cl. 273—94.
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Ziemba, Stanley C. and A. J. 3,387,889.

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Ziems, Walter: *See*—
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Zillmer, Erich, to Voigtlander A.G. Slide-transporting assembly for photographic viewers or projectors. 3,394,476, 7–30–68, Cl. 40—79.

Zillmer. Erich, to Voigtlander A.G. Photographic projector with circular magazine. 3,409,353, 11–5–68. Cl. 353—117.

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Zimmer, Ernest B.: *See*—
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Zimmer, Joseph. Hose pump. 3,417,707, 12–24–68, Cl. 103—148.

Zimmer, Karl J., to Burroughs Corp. Mounting device for magnetic transducing head. 3,368,210, 2–6–68, Cl. 340—174.1.

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Zimmer-Lightbody Industries, Inc.: *See*—
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Zimmerer, Roger E., and W. I. Lyness, to The Procter & Gamble Co. Novel liquid bleaching compositions. 3,393,153, 7-16-68. Cl. 252—95.

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Zimmerman, Robert C.: *See*—
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Adell, Robert, to Adell International, Inc. Tape cartridge. 212,188, 9–10–68, Cl. D26—14.

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Aigner, Etienne. Handbag closure clasp. 211,303, 6–4–68, Cl. D87—2.

Aigner, Etienne. Handbag closure clasp. 211,304, 6–4–68, Cl. D87—2.

Aigner, Etienne. Handbag closure clasp. 211,305, 6–4–68, Cl. D87—2.

Aigner, Etienne. Handbag closure clasp. 211,306, 6–4–68, Cl. D87—2.

Aigner, Etienne. Handbag closure clasp. 211,307, 6–4–68, Cl. D87—2.

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Barr, Richard G., to Thomasville Furniture Industries, Inc. Furniture chest. 210,385, 3–5–68, Cl. D33—6.
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Bauer, Stefan G., B. Hooper, and R. V. Trigg, to Norton Villiers Ltd. Motor cycle frame. 212,405, 10–8–68, Cl. D90—8.
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Behnk, Donald J., and W. E. Lerdon, to Pittsburgh Corning Corp. Translucent building block or the like. 210,373, 3–5–68, Cl. D18—2.
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Benes, Frank J., to Anchor Hocking Glass Corp. Casserole or similar article. 212,821, 11–26–68, Cl. D44—15.
Benes, Frank J., to Anchor Hocking Glass Corp. Butter dish or similar article. 212,822, 11–26–68, Cl. D44—15.
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Berry, Lauren E. Sauna bath. 209,887, 1–9–68, Cl. D83—1.
Berry, William L., to H. Fishlove and Co. Nail clipper. 209,942, 1–16–68, Cl. D86—10.
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Bicknell, James J. and G. W. 211,543.
Bicknell, James J. and G. W., to Audio Visual Instruction Devices, Inc. Combined transparency projector, rear vision projection screen, magnetic tape deck and stand therefor. 211,543, 6–25–68, Cl. D61—1.
Bidwell, Robert E., and S. Mishkin, to Deknatel Inc. Stand for drainage apparatus. 212,572, 10–29–68, Cl. D83—1.
Bidwell, Robert E., and S. Mishkin, to Deknatel Inc. Stand for drainage apparatus. 212,573, 10–29–68, Cl. D83—1.
Bieber, Donald: *See*—
Lehrhaupt, Maxwell, and Bieber. 211,384.
Bieger, Walter I., to Honeywell Inc. Weather indicating instrument. 210,804, 4–16–68, Cl. D52—7.
Bielinski, George D.: *See*—
Satrazemis, John, and Bielinski. 212,961.
Big Boy Mfg. Co., Inc.: *See*—
Persinger, Laverne O. and M. L. 212,105.
Biggs, Dutton, M. S. Ketchum, and W. R. Carlson. Airplane service building. 210,769, 4–16–68, Cl. D13—1.
Billin, Arthur G., to Ritter Pfaudler Corp. Base for a dental chair or the like. 211,984, 8–20–68, Cl. D15—3.
Billings, Harry M. Portable dictating machine. 212,952, 12–17–68, Cl. D26—14.
Bindel, Wolfgang: *See*—
Auboeck, Carl, and Bindel. 212,311.
Binder, Walter E. Vehicle. 210,758, 4–9–68, Cl. D90—8.
Biotronics, Inc.: *See*—
Jenkinson, Frederic W. 210,585.
Bird Electronic Corp.: *See*—
Puljer, Philip F. 209,830.
Birger, Jordan and M., and M. J. Di Pierro, to Standard Oil Co. Insulated ice chest or similar article. 210,795, 4–16–68, Cl. D44—1.
Birger, Marvin: *See*—
Birger, Jordan and M., and Di Pierro. 210,795.
Birka, John: *See*—
Alexander, Michael P. and L. V., Birka, and Flesher. 212,139.
Birmingham Ornamental Iron Co., Inc.: *See*—
Rogers, Edward M., Jr. 209,960.
Rutter, Sheldon M. 212,470.
Biro, Alexander J., to Season-All Industries, Inc. Sash cam. 209,812, 1–9–68, Cl. D10—10.
Bishop, Earl L., to The Akron Standard Mold Co. Tire uniformity testing machine. 211,492, 6–18–68, Cl. D54—13.
Bishop Industries Inc.: *See*—
Harrison, Mortimer J. 212,517.
Bissell Inc.: *See*—
Anderson, Howard A. 210,241.
Bjorgan, Ovide A. Fireplace stove. 210,109, 2–6–68, Cl. D81—7.
Black, Henry. Flower pot holder. 212,487, 10–22–68, Cl. D35—3.
Blackburn, John H., to J. D. Marshall, and H. L. Bomar, as trustees, in a trust known as "The Carolina Patent Development Trust." Feed pawl for a rotary battery in a loom. 210,060, 1–30–68, Cl. D92—15.
Blackman, Stacy D. Telephone cover with handset retainer or the like. 212,804, 11–26–68, Cl. D26—14.
Blackwell Electronics Ind. Co., Ltd.: *See*—
Daito, Hiroshi. 211,600.
Blackwell, Margie L. Aquarium cover, or the like. 210,601, 3–26–68, Cl. D30—12.
Blaho, Rudolph G.: *See*—
Brilando, Frank P., and Blaho. 212,578.
Blair, Darell W.: *See*—
Garland, Thomas N. 212,792.
Blakeney, Pearl M.: *See*—
Garland, Thomas N. 212,792.
Blank, Elliott E.: *See*—
Macaulay, Delmar F., and Blank. 211,574.
Blau, Robert R., to Acker Drill Co., Inc. Carbide insert bit. 210,975, 5–7–68, Cl. D54—4.
Blier, Jean-Marc. Multiple seating unit. 211,171, 5–28–68, Cl. D15—11.
Blink, Robert O., F. H. Holz, and W. C. Lutzke, to Mitchell Mfg. Co. Combined table and bench unit. 209,758, 1–2–68, Cl. D33—14.
Blinne, Charles F. Apparatus for laying plastic pipe. 212,489, 10–22–68, Cl. D39—1.
Bliss, E. W., Co.: *See*—
Cheslock, Edward P. 211,727.
Long, Millard K. 211,422.
Bliss, E. W., Co. of Canada, Ltd.: *See*—
Hewson, Clifford B. 210,798.
Bliss, Harvey N., to The Britton Corp. Combined bottle opener and screwdriver. 210,093, 2–6–68, Cl. D44—29.
Bliss, Harvey N., to The Britton Corp. Combined nail clipper and pivotable blade tool. 210,186, 2–13–68, Cl. D95—3.
Blix, Weltzin B., III. Chair. 210,824, 4–23–68, Cl. D15—11.
Bloch, Jack: *See*—
Le Blanc, Conrad L., and Bloch. 211,067.
Bloch, Jack, to Foster Grant Co., Inc. Pair of sunglasses. 212,198, 9–10–68, Cl. D57—1.
Bloch, Jack, to Foster Grant Co., Inc. Pair of sunglasses. 212,199, 9–10–68, Cl. D57—1.
Bloch, Jack, to Foster Grant Co., Inc. Pair of sunglasses. 212,200, 9–10–68, Cl. D57—1.
Bloch, Jack, and V. Marchi, to Foster Grant Co., Inc. Spectacle frame or the like. 210,418, 3–5–68, Cl. D57—1.
Bloch, Jack, and V. Marchi, to Foster Grant Co., Inc. Pair of spectacles. 210,419, 3–5–68, Cl. D57—1.

Bloch, Jack, and V. Marchi, to Foster Grant Co., Inc. Spectacle frame front. 210,500, 8–12–68, Cl. D57—1.
Bloch, Jack, and V. Marchi, to Foster Grant Co., Inc. Pair of spectacles. 210,624, 3–26–68, Cl. D57—1.
Bloch, Jack, and V. Marchi, to Foster Grand Co., Inc. Spectacle frame front. 211,667, 7–9–68, Cl. D57—1.
Block China Co.: *See*—
Gulotta, Gerald. 210,476.
Blom, Lee E.: *See*—
Beck, William A., Blom, and Beebe. 211,648.
Blomeyer, Earle, to Gladwin Plastics, Inc. Tape reel carrying tray. 211,706. 7–16–68. Cl. D87—1.
Blomgren, Jack P., and G. W. Brewitz, to Minnesota Mining and Mfg. Co. Overhead projector. 211,760, 7–23–68, Cl. D61—1.
Bloomberg, Carl M. Combination baby bottle and toy. 212,921, 12–10–68. Cl. D83—8.
Bloomingdale, Paul F.: *See*—
Cooper, Robert R., and Bloomingdale. 211,944.
Blum, Louis, and W. J. Horgan, Jr., to Blumcraft of Pittsburgh. Ornamental railing. 210,936, 5–7–68, Cl. D13—7.
Blum, Louis, and W. J. Horgan, Jr., to Blumcraft of Pittsburgh. Ornamental railing. 212,527, 10–29–68, Cl. D13—7.
Blum, Louis, and W. J. Horgan, Jr., to Blumcraft of Pittsburgh. Ornamental railing. 212,528, 10–29–68, Cl. D13—7.
Blum, Louis and W. J. Horgan, Jr., to Blumcraft of Pittsburgh. Ornamental railing. 212,529, 10–29–68, Cl. D13—7.
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Blum, Louis. and Horgan. 212,527.
Blum, Louis, and Horgan. 212,528.
Blum, Louis, and Horgan. 212,529.
Blumstein, Sherman W., to Sterling Products Co., Inc. Combined storage receptacle and tissue holder. 209,868, 1–9–68, Cl. D58—12.6.
Bobrick, Mitchell, to Avis Industrial Corp. Garden and walk light. 210,239, 2–20–68, Cl. D48—31.
Bobrick, Mitchell, to Avis Industrial Corp. Walk and garden light. 211,278, 6–4–68, Cl. D48—31.
Bobrick, Mitchell, to Mitchell Bobrick, Inc. Level determining device. 212,906, 12–10–68, Cl. D52—6.
Bobrick, Mitchell, Inc.: *See*—
Bobrick, Mitchell. 212,906.
Bodkins, Stanley H., to The Gillette Co. Sign. 211,843, 7–30–68, Cl. D96—12.
Boeing Co., The: *See*—
Dancik, Paul J. 210,808.
Sutter, Joseph F., Brown, Finlay, Heinemann, Plewes, and Webb. 212,564.
Bogan, David B. Rule attachment for drafting machines. 211,660, 7–9–68, Cl. D52—6.
Bogan, Robert T., Jr. Pencil holder. 213,075, 12–31–68, Cl. D74—5.
Boggio, Charles J.: *See*—
Mavrakis, Gus H., and C. J. Boggio. 209,744.
Bogner, Richard. Antenna. 209,750, 1–2–68, Cl. D26—14.
Boland, Elmer E. Cigarette snuffer. 209,802, 1–2–68, Cl. D85—2.
Boldt, Melvin H., to Schick Electric Inc. Electric tooth brush. 210,349, 3–5–68, Cl. D9—2.
Boldt, Melvin H., to Schick Electric, Inc. Denture cleaning unit. 210,409, 3–5–68, Cl. D49—1.
Boldt, Melvin H., to Schick Electric Inc. Facial vaporizer. 210,435, 3–5–68, Cl. D83—1.
Boldt, Melvin H., to Schick Electric Inc. Hair dryer or similar article. 210,437, 3–5–68, Cl. D86—10.
Boldt, Melvin H., to Canteen Corp. Phonograph cabinet. 210,695, 4–2–68, Cl. D56—4.
Boldt, Melvin H., to Canteen Corp. Phonograph cabinet. 210,914, 4–30–68, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Loud speaker unit. 211,180. 5–28–68, Cl. D26—14.
Boldt, Melvin H., to Zenith Radio Corp. Pivotally mounted clock-radio. 212,387, 10–8–68, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Portable radio cabinet. 212,646, 11–5–68, Cl. D56—4.
Boll, Martin W., and R. M. MacRobbie, to Richmond Screw Anchor Co., Division of Shattuck. Anchor insert. 213,071, 12–31–68, Cl. D54—9.
Bolle, Maurice and R., and R. Salvage. Pair of sun glasses. 212,261, 9–17–68, Cl. D57—1.
Bolle, Robert: *See*—
Bolle, Maurice and R., and Salvage. 212,261.
Bollier, Emile. Watch bracelet. 212,640, 11–5–68, Cl. D45—4.
Bolt Beranek and Newman, Inc.: *See*—
Gilbert, Ernest E., and Conners. 210,460.
Bomar, Horace L.: *See*—
Blackburn, John H. 210,060.
Bond Street Ltd.: *See*—
Schlessinger, Ludwig S. 210,341.
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Seltzenger, David L., Bonnett, and Quigley. 211,481.
Bonsack, Horst G. Bathtub. 211,789, 7–30–68, Cl. D23—55.
Booker, Aylwin R. Antenna housing. 210,222, 2–20–68, Cl. D26—14.
Booker, Aylwin R. Antenna. 210,228, 2–20–68, Cl. D26—14.
Booth, George W. Face for a timepiece. 212,773, 11–19–68, Cl. D42—1.
Boothby, Alfons, to Olympia Werke AG. Housing for calculating machine. 211,424, 6–11–68, Cl. D64—11.
Boothby, Alfons, to Olympia Werke AG. Calculating machine. 212,058, 8–20–68, Cl. D64—11.
Boothby, Alfons, to Olympia Werke AG. Calculating machine. 212,059, 8–20–68, Cl. D64—11.
Boothby, Alfons, to Olympia Werke AG. Calculating machine. 212,060, 8–20–68, Cl. D64—11.
Boothby, Alfons, to Olympia Werke AG. Calculating machines. 212,174, 9–3–68, Cl. D64—11.
Boothby, Alfons, to Olympia Werke AG. Typewriter. 212,312, 9–24–68, Cl. D64—11.
Boothby, Alfons, to Olympia Werke AG. Typewriter. 212,313, 9–24–68, Cl. D64—11.
Bor, Bruno J. Sled. 209,958, 1–23–68, Cl. D14—24.
Borden, Clarence W., to Goodall Rubber Co. Combined hose and nozzle. 213,046, 12–31–68, Cl. D23—34.
Borden, Inc.: *See*—
Stohl, Milton R. 212,065.
Bordner, Edward G., to Sierra Electric, Inc. Electrical wall plate. 212,760, 11–19–68, Cl. D26—13.
Borenstein, Martin. Combined ottoman and tray unit. 212,534, 10–29–68, Cl. D15—8.
Borer, Herbert W., M. E. Butterfield, and B. L. Zauss, to Caterpillar Tractor Co. Crawler tractor loader. 210,200, 2–20–68, Cl. D14—3.
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Armstrong, William H. 211,729.
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Plantholt, Robert G. 211,524.
Plantholt, Robert G. 212,596.
Royer, Roger G. 209,880.
Royer, Roger G. 212,263.
Bornschlegel, Robert W., to Ampex Corp. Remote control unit for a TV recorder. 211,352, 6–11–68, Cl. D26—13.
Bosch, Robert, Elektronik und Photokino, G.m.b.H.: *See*—
Ackermann, Karl. 212,173.
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Bostick, Chester B. and L. B. Wheel cover. 212,216, 9–17–68, Cl. D14—30.
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Bouchetal de la Roche, Lucien A. R. Camera. 211,418, 6–11–68, Cl. D61—1.
Bourgeois, John B. Combined ashtray and cigarette snuffer. 211,921, 8–6–68, Cl. D85—2.
Bourke, Robert E., to The Coca-Cola Co. Bottle. 210,445, 3–12–68, Cl. D9—136.
Bowers, John H., Jr., J. J. Kowalewski, and J. J. Moughty, to Electrolux Corp. Vacuum cleaner hose handle or similar article, 209,810, 1–9–68, Cl. D9—2.
Bowes, Donald R., to Johnson & Johnson. Container for needles or the like. 210,446, 3–12–68, Cl. D9—172.
Bowman, Dean C., and M. S. Mazetti, to General Electric Co. Keyboard keycap. 212,865, 12–3–68, Cl. D64—11.
Bowman, Robert D. Combined razor and blade holder. 212,368, 10–8–68, Cl. D33—23.
Box, Theodor. Bottle carrier. 210,930, 5–7–68, Cl. D9—179.
Bozarth, Charles E., to Ampex Corp. Television tape transport. 211,357, 6–11–68, Cl. D26—14.
Bozarth, Charles E., to Ampex Corp. Television camera. 211,416, 6–11–68, Cl. D61—1.
Bozarth, Charles E., to Ampex Corp. Television camera. 211,420, 6–11–68, Cl. D61—1.
Brace, Robert S., and E. L. Robinson, Jr., to International Harvester Co. Cotton harvester. 211,959, 8–13–68, Cl. D40—1.
Bracken, Robert S., to Maul Bros. Inc. Orifice ring used in glass manufacturing machinery and the like. 211,609. 7–2–68, Cl. D55—1.
Bradley, Milton Co.: *See*—
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Bradley, William F. Holder for toast or the like. 211,271. 6–4–68. Cl. D44—1.
Bradley, William J., and M. Cross. Shutter. 209,956, 1–23–68, Cl. D13—1.
Brady, Jack F., and M. Melack, to Elastic Stop Nut Corp. of America. Reflector. 210,330, 2–27–68, Cl. D72—1.
Brady, Jack F., and M. Melack, to Elastic Stop Nut Corp. of America. Reflector. 210,331, 2–27–68, Cl. D72—1.
Braiman, Jerry, and E. W. Shieh, to P. R. Mallory & Co., Inc. Housing for a capacitor device. 210,210, 2–20–68, Cl. D26—1.
Braker, Clarence C. Trash can holder. 212,643, 11–5–68. Cl. D49—30.
Brammer, Herbert, to Charles Mackinlay & Co. Ltd. Flask. 210,501, 3–12–68, Cl. D58—8.
Brammer, Herbert, to Charles Mackinlay & Co. Ltd. Bottle. 210,514, 3–19–68, Cl. D9—72.
Brandell, John R. Golf club head. 211,955, 8–13–68, Cl. D34—5.

Branscum, Tony E. Insulated jug or the like. 210,307, 2-27-67, Cl. D44—1.
Branson Instruments, Inc.: *See*—
Alliger, Howard. 209,822.
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Braun, Samuel, to B.C.N. Design Products, Inc. Display box. 211,007, 5-14-68, Cl. D9—235.
Braun, Samuel, to B.C.N. Design Products, Inc. Display box. 211,713, 7-23-68, Cl. D9—231.
Braun, Samuel, to B.C.N. Design Products, Inc. Display box. 211,714, 7-23-68, Cl. D9—231.
Bravo, Joel W., to GAF Corp. White print machine. 212,052, 8-20-68, Cl. D61—1.
Bravo, Joel W., to GAF Corp. White print machine. 212,508, 10-22-68, Cl. D61—1.
Bravo, Joel W., to GAF Corp. Photocopy machine. 212,509, 10-22-68, Cl. D61—1.
Bravo, Joel W., and P. Matwey, to General Aniline & Film Corp. Electrostatic copying machine. 210,427, 3-5-68, Cl. D61—1.
Brearley Co., The: *See*—
Rhoades, Nolan K. 210,689.
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Lelek, Thaddeus A. 209,917.
Brenner, Roy L., to Kinkead Industries Inc. Folding shower door. 211,992, 8-20-68, Cl. D23—69.
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Costa, Gregory, Jr., Bresky, and Schnur. 209,990.
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Brewer, Francis T., to Wilson Sporting Goods Co. Golf club grip. 210,468, 3-12-68, Cl. D34—5.
Brewer, William R., to H. C. de Jong (d.b.a. Safety Bros.). Toilet seat elevator. 212,326, 10-1-68, Cl. D23—71.
Brewer, William R., to H. C. de Jong (d.b.a. Safety Bros.). Toilet seat. 212,327, 10-1-68, Cl. D23-71.
Brewer, William R., to H. C. de Jong (d.b.a. Safety Bros.) Safety grip bar for a bathroom or the like. 213,054, 12-31-68, Cl. D33—21.
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Briggs, Kenneth H. Portable door lock. 213,067, 12-31-68, D50—7.
Brigham, Dennis M. Panty girdle. 210,815, 4-23-68, Cl. D2—4.
Bright, William L., H. N. Steinmeyer, and J. D. Coon. Enclosure for electric equipment and the like. 211,782, 7-30-68, Cl. D13—1.
Brilando, Frank P., and A. J. Panzica, to Schwinn Bicycle Co. Combination guard and sprocket assembly for bicycles equipped with derailleur mechanism. 210,564, 3-19-68, Cl. D90—17.
Brilando, Frank P., and A. J. Panzica, to Schwinn Bicycle Co. Saddle for unicycles. 211,147, 5-21-68, Cl. D90—16.
Brilando, Frank P., and R. G. Blaho, to Schwinn Bicycle Co. Bicycle saddle strut unit. 212,578, 10-29-68, Cl. D90—15.
Brilmyer, Harold G., and S. A. Heap, to Ford Motor Co. Motor vehicle passenger restraint device. 212,215, 9-17-68, Cl. D14—6.
Brinkman, Winford L. Key holder. 210,800, 4-16-68, Cl. D50—4.
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MacLachlan, William B., Aherne, and Morgan. 212,872.
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Brooks, Sheldon C., to Tri-State Displays, Inc. Display divider for frozen food chests. 209,800, 1-2-68, Cl. D80—11.
Brophy, Ira N., to Whitmor Mfg. Co., Inc. Quilted plastic material. 213,081, 12-31-68, Cl. D87—3.
Brophy, James N. Fish scaler or similar article. 212,497, 10-22-68, Cl. D44—29.
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Brown, Christopher K., to AMP Inc. Card reader. 212,332, 10-1-68, Cl. D26—5.
Brown, Doris M., to Sarong, Inc. Panty girdle. 209,732, 1-2-68, Cl. D2—4.
Brown, Edward L., R. H. Koepf, H. S. Noel, and D. H. Wood, to International Business Machines Corp. Record card reader. 209,964, 1-23-68, Cl. D26—5.
Brown, Floyd R., and W. L. Floehr, to Unitcast Corp. Weight-steered water sled. 211,498, 6-18-68, Cl. D71—1.
Brown, Lester Z., Jr. Sand wedge golf club head. 212,293, 9-24-68, Cl. D34—5.
Brown, Rea P., to Foster Grant Co., Inc. Rack for sunglasses or the like. 212,203, 9-10-68, Cl. D80—9.
Brown, Robert G., to B. H. Bunn Co. Tying machine with twine arm guard. 210,244, 2-20-68, Cl. D55—1.
Brown, Rowland E.: *See*—
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Brown, Thomas E., and J. B. Swett, to Rexall Drug and Chemical Co. Egg tray. 211,513, 6-25-68, Cl. D9—190.
Brown, Warner K., and T. Tomolak, to Clark Equipment Co. Handle for an air film pallet. 213,044, 12-31-68, Cl. D14—3.
Brownfield, William N., to Sperry Rand Corp. Magnetic tape handling unit. 211,690. 7-16-68. Cl. D26—5.
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Brubaker, Vernon L., and P. M. Casady, to Emdeko Distributing, Inc. Rotary brush ring. 211,812, 7-30-68, Cl. D37—3.
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Buchanan, John L. Clasp for a necktie or the like. 212,732, 11-19-68, Cl. D2—428.
Buchanan, William V. Phonograph record carrier. 210,813, 4-16-68, Cl. D87—5.
Buck, Sadie. Colander or similar article. 211,898, 8-6-68, Cl. D44—29.
Buckler, George M., to General Electric Co. Stereophonic phonograph or similar article. 210,694, 4-2-68, Cl. D56—4.
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Rhoades, Nolan K. 212,355.
Budde, Carl A. Pulse rate indicator for body functions. 212,990, 12-17-68, Cl. D83—1.
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Bue, Richard C., and J. Gutierrez, to Sico Inc. Easel. 210,294, 2-27-68, Cl. D29—20.
Buegeleisen, Abbott, to Buegeleisen & Jacobson, Inc. Guitar. 211,907, 8-6-68, Cl. D56—1.
Buegeleisen & Jacobson, Inc.: *See*—
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Buff, George J., Jr. Foil packaging tray. 211,237, 6-4-68, Cl. D9—219.
Bull, Henrik H., to California Redwood Association. Roof or the like. 211,214, 5-28-68, Cl. D68—1.
Bullis, Earl, Jr., to The Roberk Co. Rearview mirror. 209,820, 1-9-68, Cl. D14—6.
Bullis, Earl, Jr., to The Roberk Co. Rearview mirror. 210,657, 4-2-68, Cl. D14—6.
Bulow, William N., to Smoothy Products, Inc. Comb. 211,677, 7-9-68 Cl. D86—8.
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Burden, James M. Teapot. 210,902, 4-30-68, Cl. D44—26.
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Burges Vibrocrafters, Inc.: *See*—
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Burgoon, Jack L., to American-Lincoln Corp. Vacuum cleaner. 211,824, 7-30-68, Cl. D49—11.
Burke, William J., to Roll-O-Sheets, Inc. Dispenser for rolls of film. 209,852, 1-9-68, Cl. D52—2.
Burlin, James N., J. F. Ritchey, and S. E. Seretny, to Bell Telephone Laboratories, Inc. Telephone set. 212,229, 9-17-68, Cl. D26—14.
Burnbaum, Jack. Christmas ornament, or similar article. 209,752, 1-2-68, Cl. D29—1.
Burnbaum, Jack. Christmas tree ornament or similar article. 210,384, 3-5-68, Cl. D29—1.
Burnbaum, Jack. Christmas tree ornament. 211,367, 6-11-68, Cl. D29—1.
Burnbaum, Jack. Christmas tree ornament or similar article. 212,290, 9-24-68, Cl. D29—1.
Burnett, Robert R., to Xerox Corp. Bottle. 211,928, 8-13-68, Cl. D9—44.
Burns, Cecil K. Support stand for a beer keg or the like. 210,188, 2-13-68, Cl. D94—3.
Burns, Dennis L. Face guard for a helmet. 210,510, 3-19-68, Cl. D2—233.
Burns, Lee V., D. A. Deane, and M. T. Leung, to Federal Sign and Signal Corp. Restaurant. 210,448, 3-12-68, Cl. D13—1.

Burson, Charles L., to Gar Wood Industries, Inc. Wheel cover. 211,083, 5–21–68, Cl. D14—30.
Burt, Phillip E.: *See*—
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Thorn, John B., and Bus. 210,224.
Thorn, John B., and Bus. 210,225.
Thorn, John B., and Bus. 210,466.
Buschbom, Floyd E., to Van Dale Corp. Silo unloader drive wheel. 212,779, 11–19–68, Cl. D55—1.
Bush, Miriam L. Child's barber apron, or similar article. 212,870, 12–3–68, Cl. D86—10.
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Borer, Herbert W., Butterfield, and Zauss. 210,200.
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Mead, Peter L. 212,480.
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Caine, Merwin A. Compartmented silverware tray. 211,450, 6–18–68, Cl. D9—242.
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Schwartz, Harvey A., Jacoby, and Calafano. 210,279.
Schwartz, Harvey A., Jacoby, and Calafano. 210,280.
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Caldwell, Dale R., to Argus Inc. Movie camera. 210,502, 3–12–68, Cl. D61—1.
Caldwell, Dale R. Movie camera. 212,054, 8–20–68, Cl. D61—1.
Caldwell, Dale R., to Argus Inc. Movie camera. 212,055, 8–20–68, Cl. D61—1.
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Greitzer, Morris and S. 210,726.
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Caliman, Monte C., Jr., to Unette Corp. Collapsible tubelike container. 210,818, 4–23–68, Cl. D9—194.
Caliman, Monte C., Jr., to Unette Corp. Collapsible tubelike container. 212,150, 9–3–68, Cl. D9—194.
Callaghan, John D., to Radio Corp. of America. Indoor television antenna. 211,025, 5–14–68, Cl. D26—14.
Callahan, Neil W., Jr. Insect catcher. 211,339, 6–11–68, Cl. D22—19.
Callahan, Neil W., Jr. Insect catcher. 211,340, 6–11–68, Cl. D22—19.
Callahan, Neil W., Jr. Insect catcher. 212,221, 9–17–68, Cl. D22—19.
Callahan, Wayne B. Christmas light reflector. 210,904, 4–30–68, Cl. D48—16.
Callender, William L. Safety control switch. 210,024, 1–30–68, Cl. D26—13.
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Caminker, Bernard, L. A. Andrews, J. H. Lavin, and R. F. Robberson, to Hughes Aircraft Co. Combination inflatable and hard shelter. 211,518, 6–25–68, Cl. D13—1.
Campbell, Duncan H., to Wilson & Cousins Co., Ltd. Fire hose nozzle. 212,612, 11–5–68, Cl. D23—34.
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Campbell, Edward N., and B. E. Long. Fishing lure. 211,871, 8–6–68, Cl. D22—28.
Campbell, John B., to The Procter & Gamble Co. Jar. 210,570, 3–26–68, Cl. D9—86.
Campbell, John B., to The Procter & Gamble Co. Jar. 211,004, 5–14–68, Cl. D9—87.
Campbell, Laurie J., to Louis Marx & Co., Inc. Shooting gallery game cabinet. 212,434, 10–15–68, Cl. D34—5.
Campbell, Laurie J. Riding horse. 212,858, 12–3–68, Cl. D34—15.
Campbell, Michael, and J. E. Lambert, to Hassenfeld Bros. Inc. Urinal drainage bag. 212,064, 8–20–68, Cl. D83—1.
Campi, Antonia, to Società Ceramica Italiana Richard-Ginori Societa per Azioni. Bowl for a bidet or similar article. 210,580, 3–26–68, Cl. D23—51.
Campi, Antonia, to Società Ceramica Italiana Richard-Ginori Societa per Azioni. Bowl for a toilet or similar article. 210,582, 3–26–68, Cl. D23—67.
Campos, Adolph J. Motor vehicle. 212,282, 9–24–68, Cl. D14—3.
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Cannella, William F., to Framcraft, Inc. Combined floor lamp and clothes valet. 211,657, 7–9–68, Cl. D48—20.
Cannon, Fillmore, to Joseph E. Seagram & Sons, Inc. Merchandise display stand. 212,063, 8–20–68, Cl. D80—9.
Cannon, John P., and R. C. Degenfelder, to Plattner Industries, Inc. Insulated portable chest. 212,440, 10–15–68, Cl. D44—1.
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Clementi, Leonard C. 212,927.
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Cantrell, Eirvan C. Display stand for dishes and the like. 211,972, 8–13–68, Cl. D80—9.
Cantrell, Glayds M. Baby toilet trainer. 210,581, 3–26–68, Cl. D23—53.
Capezzuto, John P., to The Carter's Ink Co. Marking device. 212,265, 9–17–68, Cl. D74—17.
Cappelli, Raymond U., and J. R. Nelson, to Tektronix, Inc. Physiological unit for monitoring body functions. 210,260, 2–20–68, Cl. D83—1.
Cappon, John, to Benco Television Associates (Division of Redifon Canada Ltd.). Coaxial connector. 211,175, 5–28–68, Cl. D26—1.
Capri, Peter. Game board. 212,810, 11–26–68, Cl. D34—5.
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Carinthia Elektrogerate Gesellschaft m.b.H.: *See*—
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Koroncai, Adam. 211,554.
Carlile, Alfred E.; and W. F. Van Amburg. Presser foot for attaching a slide fastener. 211,703, 7–16–68, Cl. D70—2.
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Carlson, Norman G. Bird feeder. 212,367, 10–8–68, Cl. D30—14.
Carlson, Rufus T., and L. W. Meyers, to Carling Brewing Co. Bottle. 211,711, 7–23–68, Cl. D9—136.
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Carsello, Anthony J. Lounge chair. 211,170, 5–28–68, Cl. D15—11.
Carter, J. W., Co.: *See*—
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Case, Cecil L., and R. E. Ten Eyck. Self-propelled windrower. 212,492, 10–22–68, Cl. D40—1.
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Lazzeroni, Edward J. 210,658.
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Casebolt, Ralph T. Shower door drip assembly. 211,161, 5–28–68, Cl. D13—6.
Cashman, Arthur G. Drawer for a shoe chest. 211,032, 5–14–68, Cl. D33—1.
Cassano, Victor J. Building. 210,007, 1–30–68, Cl. D13—1.

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Cavall Specialties, Inc.: *See*—
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Chaffee, William H., to Model Builders, Inc. Condiment dispenser. 210,743, 4–9–68, Cl. D44—22.
Chan, Anthony P. H., to Varian Associates. Graphic recorder. 210,380, 3–5–68, Cl. D26—14.
Chan, Anthony P. H., to Varian Associates. Graphic recorder. 210,381, 3–5–68, Cl. D26—14.
Chan, Anthony P. H., to Varian Associates. Graphic recorder. 211,360, 6–11–68, Cl. D26—14.
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Chandler, Jasper S., to Eastman Kodak Co. Projection screen case. 211,610, 7–2–68, Cl. D61—1.
Chandler, Marvin M. Golf putter. 211,745, 7–23–68, Cl. D34—5.
Chandler & Price Co., The: *See*—
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Chase, David O., P. H. Stevens, A. W. Brownlie, and J. A. Malm, to The Chandler & Price Co. Paper cutter. 210,691, 4–2–68, Cl. D55—1.
Chase, David O., and M. V. Maloney, to R. E. Dietz Co. Vehicle marker light. 212,550, 10–29–68, Cl. D48—32.
Chase, David O., P. H. Stevens, A. W. Brownlie, and J. A. Malm, to The Chandler & Price Co. Paper cutter. 212,862, 12–3–68, Cl. D55—1.
Cheladze, George A., and J. Arlind, to Rexall Drug and Chemical Co. Container lid or the like. 209,788, 1–2–68, Cl. D58—26.
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Mahon, Thomas J., and Cherba. 209,886.
Chernock, Stephen P. Smoking pipe. 212,179, 9–3–68, Cl. D85—8.
Cherry, Royal F. Bottle. 211,563, 7–2–68, Cl. D9—147.
Cheshire Mfg. Co., Inc.: *See*—
Whitright, Joseph W. E. 212,703.
Chesley, Ronald F.: *See*—
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Smith, Robert B. 211,731.
Chidester, Marvin E. Golf putting instructional device. 211,376. 6–11–68, Cl. D34—5.
Chieda, Robert A., J. Cuccio, and G. D. Robinson, to Gilbert & Barker Mfg. Co. Gasoline dispensing pump. 211,401, 6–11–68, Cl. D52—2.
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Christensen, Ole H., and W. P. Merci, to Exchange National Bank of Chicago. Combined cabinet, work table and room partition unit. 210,134, 2–13–68, Cl. D33—19.
Christie, Theodore, and J. J. Kregzdys, to Precision Scientific Co. Titration instrument. 210,455, 3–12–68, Cl. D16—2.
Christie, William G. Club holder for a golf bag. 211,956, 8–13–68, Cl. D34—5.
Christine, William C., and J. E. Pierce, to Allen Electronics, Inc. Combination hot and cold water heater and cooler. 211,073, 5–14–68, Cl. D94—3.
Christlieb, Pearl. Sunglass frame or the like. 211,701. 7–16–68. Cl. D57—1.
Christopher, Alfred B. Housing for an evaporative air cooler. 211,086, 5–21–68, Cl. D23—141.
Christopher, Mary R. Electrotherapy facial applicator. 211,549, 6–25–68, Cl. D83—1.
Chudek, John, Jr. Bath sponge holder. 212,138, 8–27–68, Cl. D86—14.
Church, Celia C., ½ to L. Dever. Animal coverall or similar article. 213,053, 12–31–68, Cl. 30—37.
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Clark, James T. Solution spray gun. 209,792, 1–2–68, Cl. D62—2.
Clark, Jeri O., to Owens-Corning Fiberglas Corp. Combination bathtub and shower stall. 212,946, 12–17–68, Cl. D23—49.
Clark, John T. Automobile foot rest. 210,361, 3–5–68, Cl. D14—6.
Clark, Joyce C., C. G. Shireman, D. Weissmann, and J. W. Gardner, to Mattel, Inc. Combined doll and vehicle. 212,296, 9–24–68, Cl. D34—15.
Clarke Floor Machine Division, Studebaker Corp.: *See*—
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Claussen, Donald, to General Time Corp. Clock. 210,306, 2–27–68, Cl. D42—7.
Claussen, Donald F., to Armstrong Cork Co. Ceiling tile or similar article. 212,750, 11–19–68, Cl. D18—2.
Clay-Adams, Inc.: *See*—
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Clayton, Harold E., Jr. Slipper sock. 210,268, 2–27–68, Cl. D2—266.
Clayton, Harold E., Jr. Footlet. 213,001, 12–24–68, Cl. D2—329.
Clayton, La Verne E., to Amerock Corp. Pull. 209,813, 1–9–68, Cl. D10—8.
Clayton, La Verne E., to Amerock Corp. Hinge. 209,815, 1–9–68, Cl. D10—9.
Clayton, La Verne E. Hinge. 211,238, 6–4–68, Cl. D10—9.
Clayton, La Verne E., to Amerock Corp. Pull for furniture. 211,779, 7–30–68, Cl. D10—8.
Clayton, La Verne E., to Amerock Corp. Escutcheon plate. 212,903, 12–10–68, Cl. D50—6.
Clearman, John W. Hanger for a telephone handset. 209,967, 1–23–68, Cl. D26—14.
Clement, Carl J. Gas laser. 211,742, 7–23–68, Cl. D26—14.

Clement, Theodore G., D. D. McNair, and C. Altmann. Photographic copying apparatus. 212,394, 10–8–68, Cl. D61—1.
Clementi, Leonard C., to Cannon Mills Co. Pillowcase or similar article of bed linen. 212,926, 12–10–68, Cl. D92—26.
Clementi, Leonard C., to Cannon Mills Co. Pillowcase or similar article of bed linen. 212,927, 12–10–68, Cl. D92—26.
Cleveland Range Co., The: *See*—
Mecredy, James R. 212,984.
Click, Cecil E. Symbolic flag pole stand. 212,588, 10–29–68, Cl. D29—17.
Clickner, Earle D., to Shakespeare Co. Level wind automatic trout reel. 212,945, 12–17–68, Cl. D22—25.
Clifton, Richard L. Dandelion digger or similar article. 213,058, 12–31–68, Cl. D35—2.
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Clorox Co., The: *See*—
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Cloud, Bobby G. Sprinkler head attachment. 212,091, 8–27–68, Cl. D23—7.
Cloud, Burton, and F. H. Fuller, to Auto-Soler Co. Novelty scratch pad. 210,054, 1–30–68, Cl. D74—1.
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Krantz,John D. 212,156.
Coca-Cola Co., The: *See*—
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Ruffley, Morris F., Jr. 212,082.
Cohen, Barry. Fluorescent lamp fixture. 209,982, 1–28–68, Cl. D48—20.
Cohen, Ephraim. Shirt bundling rack. 213,065, 12–31–68, Cl. D49—1.
Cohen, Gilbert. Tie fastener. 210,992, 5–14–68, Cl. D2—424.
Cohen, Gilbert. Tie fastener. 210,993, 5–14–68, Cl. D2—424.
Cohen, Gilbert. Tie fastener. 210,994, 5–14–68, Cl. D2—424.
Cohen, Gilbert. Tie fastener. 210,995, 5–14–68, Cl. D2—424.
Cohen, Gilbert. Tie fastener. 210,996, 5–14–68, Cl. D2—424.
Cohen, Gilbert. Tie fastener. 211,624, 7–9–68, Cl. D2—424.
Cohen, Melvin. Display rack. 211,765, 7–23–68, Cl. D80—10.
Cohen, Norman. Golf practice putting cup. 211,651, 7–9–68, Cl. D34—5.
Coin Security Systems, Inc.: *See*—
Hutchins, Marlyn R. 210,488.
Coito, Henry J. Headless tambourine. 210,693, 4–2–68, Cl. D56—1.
Cole, Louis. Combined bathroom scale support stand and record sheet container or similar article. 211,693, 7–16–68, Cl. D33—3.
Coleman Co., Inc., The: *See*—
Cooper, Robert R., and Bloomingdale. 211,944.
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Coleman, Lawrence, to Melrose Displays. Display stand. 212,513, 10–22–68, Cl. D80—10.
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Abplanalp, Robert H. 210,574.
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Douglas, Livingston C. 209,782.
Douglas, Livingston C. 210,650.
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Griffith, George E., and Cid. 213,074.
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Koenigsberg, Victor. 210,432.
Roberts, Clifford H. 211,853.
Zeltvogel, Frederick J. 209,798.
Collamore, John H., Jr., to Dart Union Co. Pump. 211,687. 7–16–68, Cl. D23—14.
Collette Mfg. Co.: *See*—
Robinson, Eli A. 212,268.
Collie, Stafford D., to Phillips Petroleum Co. Bowl or similar article. 211,697. 7–16–68. Cl. D44—15.
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Collie, Stafford D., to Phillips Petroleum Co. Packaging container or the like. 212,594, 11–5–68, Cl. D9—242.
Collings, Thomas J. Snow-removal attachment for a broom. 211,234, 6–4–68, Cl. D4—4.
Collings, Thomas J. Table lamp. 212,498, 10–22–68, Cl. D48—20.
Collins, Earl L. Portable podium. 212,012, 8–20–68, Cl. D33—10.
Collins, Harry J., Jr., to M. A. Gerett, Inc. Register coin bank. 210,299, 2–27–68, Cl. D34—11.
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Conlin, William. Clock. 211,110, 5–21–68, Cl. D42—7.
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Connor, Dorothy J., and T. W. Heermans, to American Home Products Corp. Kitchen spoon or similar article. 211,819, 7–30–68, Cl. D44—29.
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Conway, Ronald I., S. Cottier, and E. Wittner, to International Business Machines Corp. Card punch. 211,250, 6–4–68, Cl. D26—5.
Cook, John A., to Vilas Industries Ltd. Perimeter trim for chalkboard or the like. 210,935, 5–7–68, Cl. D13—6.
Cook, John A., to Vilas Industries Ltd. Chalk trough for chalkboards or similar articles. 210,946, 5–7–68, Cl. D25—1.
Cook, Raymon W. Golf putter head. 211,103, 5–21–68, Cl. D34—5.
Coolbaugh, Richard W., and C. P. Trudel, to Scott Aviation Corp. Disposable urine container. 209,883, 1–9–68, Cl. D83—1.
Coon, Herb, to Hercules Clip Corp. Clamp for clothes hangers, display boards, or similar applications. 212,444, 10–15–68, Cl. D49—1.
Coons, John C., to The Procter & Gamble Co. Combined actuator and dispensing head for a liquid pump. 210,701, 4–2–68, Cl. D58—26.
Coons, John C., to The Clorox Co. Bottle. 212,842, 12–3–68, Cl. D9—44.
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Cooper, Howard. Restaurant. 209,817, 1–9–68, Cl. D13—1.
Cooper, James W. Combined table and multiple chair unit for student instruction. 209,911, 1–16–68, Cl. D33—14.
Cooper, Marvin, to Dynamic Classics, Ltd. Casing for a glass chiller. 212,496, 10–22–68, Cl. D44—29.
Cooper, Robert R., and P. F. Bloomingdale, to The Coleman Co., Inc. Mounting plate for trailer furnace 211,944, 8–13–68, Cl. D23—115.
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Cordell, Carl R., Jr. Fishing lure. 210,205, 2–20–68, Cl. D22—27.
Cordes, Edward V., Jr., to The Warner & Swasey Co. Control console. 211,579, 7–2–68, Cl. D26—5.
Cordes, Edward V., Jr., to Warner & Swasey Co. Control console. 211,580, 7–2–68, Cl. D26—5.
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Cornelius, Richard T., Lofgren, and Reichow. 209,950.
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Cornelius, Richard T., C. L. Lofgren, and J. R. Reichow, to The Cornelius Co. Beverage dispenser, or similar article. 209,949, 1-16-68, Cl. 94—3.
Cornelius, Richard T., C. L. Lofgren, and J. R. Reichow, to The Cornelius Co. Beverage dispenser, or similar article. 209,950 1-16-68, Cl. D94—3.
Cornelius, Richard T., and C. L. Lofgren, to The Cornelius Co. Beverage vending machine, or similar article. 212,258, 9-17-68, Cl. D52—3.
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Costa, Gregory, Jr., B. S. Bresky, and M. Schnur, to Costa Ice Cream Co. Rectangular ice cream carton. 209,990, 1-23-68, Cl. D58—12.6.
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Costa, Gregory, Jr., Bresky, and Schnur. 209,990.
Costa, Thomas J. Audio visual display unit or similar article. 210,751, 4-9-68, Cl. D61—1.
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Cothran, Otis J. Electrolytic device for removing metals from spent photographic solutions. 211,870, 8-6-68, Cl. D16—2.
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Cottier, Seton, and J. D. March, to International Business Machines Corp. Display terminal for a computer or the like. 212,885, 12-10-68, Cl. D26—5.
Cournoyer, Hector S., to Grooming Developers, Inc. Hair styling tool. 211,502, 6-18-68, Cl. D86—8.
Covey, Laird, to The Stanley Works. Measuring tape and the like. 210,097, 2-6-68, Cl. D52—6.
Cowan, Murray L., to Textron, Inc. Expansible link chain for a bracelet or similar article. 210,403, 3-5-68, Cl. D45—4.
Cowan, Murray L., to Textron, Inc. Expansible link chain for a bracelet or similar article. 210,404, 3-5-68, Cl. D45—4.
Cox, Austin E., to Dominion Electric Corp. Electric knife handle or similar article. 211,150, 5-21-68, Cl. D95—3.
Cox, Austin E., to Dominion Electric Corp. Combined holder and charging unit for electric knife or the like. 211,185, 5-28-68, Cl. D26—15.
Cox, Austin E., to Dominion Electric Corp. Hair dryer. 212,993, 12-17-68, Cl. D86—10.
Cox, Joe M. Building. 210,199, 2-20-68, Cl. D13—1.
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Cropper, Walter V., J. Kregzdys, and J. A. Le Blanc, to Precision Scientific Co. Portable vacuum pump and motor combination. 210,327, 2-27-68, Cl. D65—1.
Cross, Earl G., to Turco Mfg. Co. Sled or similar article. 210,228, 2-20-68, Cl. D34—15.
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Crouch, Alfred H., P. A. La Violette, Jr., and E. M. Marino; said La Violette and said Marino assors. to The High Standard Mfg. Corp. Firearm or similar article. 212,220, 9-17-68, Cl. D22—6.
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Davis, Arnold M., W. S. Sheppley, Jr., and J. F. Talerico, to International Business Machines Corp. Data processing console or similar article. 212,757, 11–19–68, Cl. D26—5.
Davis, Arvil E. Set of educational playing cards. 212,857, 12–3–68, Cl. D34—13.
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D'Elia, Anthony N., and E. M. Stolarz. Combination finger and toe nail clipper. 211,299, 6–4–68, Cl. D86—10,
D'Elia, Anthony N., and E. M. Stolarz, to Presto Lock Co., Inc. Luggage case or similar article. 211,769, 7–23–68, Cl. D87—5.
D'Elia, Anthony N., and E. M. Stolarz, to Presto Lock Co., Inc. Luggage handle or similar article. 212,182, 9–3–68, Cl. D87—2.
D'Elia, Anthony N., and E. M. Stolarz, Reliable Luggage Inc. Expandable carrying bag. 212,663, 11–5–68, Cl. D87—3.
D'Elia, Anthony N., and E. M. Stolarz. Condiment dispenser or the like. 212,827, 11–26–68, Cl. D44—22.
Della-Porta, Clifford A., to The Premier Drum Co. Ltd. Base drum beater footplate cover or similar article. 210,555, 3–19–68, Cl. D56—1.
Del Monica, Peter P. Wire bender or similar article. 211,286, 6–4–68, Cl. D54—13.
Delp, William G., and R. J. Elder, to Royal Industries, Inc. Copying machine. 210,325, 2–27–68, Cl. D61—1.
Del Porto, Joseph A. Figurine. 212,333, 10–1–68, Cl. D29—23.
De Luca, Gloria M.: *See*—
Copeland, Florence R., and De Luca. 211,917.
De Lucia, Victor E., to Torr Laboratories, Inc. Radiographic/fluoroscopic unit. 212,144, 8–27–68, Cl. D83—1.
De Luxe Topper Corp.: *See*—
Gilbert, Felix. 209,913.
Del Vecchio, George D., to Xerox Corp. Tape control unit for an automatic sorter or the like. 212,227, 9–17–68, Cl. D26—5.
De Lyon, Armand R., to AMP Inc. Electron tube socket. 210,207, 2–20–68, Cl. D26—1.
De May Gwilym, to Smith Hayden & Co. Ltd. Apparatus for mixing materials with a flowing liquid. 211,991, 8–20–68, Cl. D23—3.
Demmel, Dora, to Bausch & Lomb Inc. Pair of eyeglasses. 209,861, 1–9–68, Cl. 57—1.
Deneen, Bernadine A. Television antenna. 210,292, 2–27–68, Cl. D26—14.

Deneen, Bernadine A. Television antenna. 210,293, 2–27–68, Cl. D26—14.
Dengel, Dianne S., 12½% to W. E. Thomson, and 12½% to J. R. Schovee. Doll's head. 211,694, 7–16–68, Cl. D34—4.
Dennison Mfg. Co.: *See*—
Austin, Charles C. 210,752.
Raczynski, Walter A. 210,753.
Rixford, Richard E., and Yang. 212,130.
D'Entremont, Franklin R., to The General Electric Co. Potential transformer. 209,749, 1–2–68, Cl. D26—15.
D'Ercoli, Giacinco C., and R. J. Szalek. Clock. 210,741, 4–9–68, Cl. D42—7.
D'Ercoli, Giacinto C., to General Time Corp. Clock casing. 209,844, 1–9–68, Cl. D42—7.
D'Ercoli, Giacinto C., to McGraw-Edison Co. Luminaire. 212,383, 10–8–68, Cl. D48—31.
D'Ercoli, Giacinto C., R. L. Kelly, E. R. Danz, and R. J. Szalek, to General Time Corp. Clock casing design. 210,548, 3–19–68, Cl. D42—7.
D'Ercoli, Giacinto C., and R. L. Kelly, to General Time Corp. Clock casing. 211,895, 8–6–68, Cl. D42—7.
Derenski, Frank W. Combination utility hood and lounger. 210,362, 3–5–68, Cl. D14—27.
Derenski, Frank W. Box cover or similar article. 211,934, 8–13–68, Cl. D9—254.
Derkas, Alexander, and H. L. Dsenis, to Smith Kline & French Laboratories. Spectrophotometer. 211,634, 7–9–68, Cl. D16—2.
De Rousse, Dale E. Handling and storage tray for silicon wafers. 212,402, 10–8–68, Cl. D87—1.
De Rousse, Dale E., W. M. Johnson, H. E. Martin, and R. W. Montgomery, to Optics Technology, Inc. Gas laser. 210,220, 2–20–68, Cl. D26—14.
Descarries, Raymond, and E. and P. E. Gaudry, to Electrolux Corp. Floor treating machine. 211,263, 6–4–68, Cl. D37—3.
Descarries, Raymond and E. and P. E. Gaudry, to Electrolux Corp. Combined floor treating machine and liquid dispenser. 212,859, 12–3–68, Cl. D37—3.
Deseret Pharmaceutical Co., Inc.: *See*—
Ballard, Dale H. 211,851.
Deshong, Harry B., and D. L. Hamby, to Arcoa, Inc. Snow bike. 211,378, 6–11–68, Cl. D34—15.
De Smidt, Woodrow A., to Allen-Bradley Co. Enclosure cover for electric switch. 212,093, 8–27–68, Cl. D26—13.
Desmo Ltd.: *See*—
Day, John A. 210,718.
Desmond, George K. Boot rack. 211,190, 5–28–68, Cl. D33—3.
Desmond, John W. Address label dispenser. 212,980, 12–17–68, Cl. D74—1.
De Stasi, Anthony J.: *See*—
Ramsden, Charles D., Zweifel, De Stasi, and Wolf. 212,876.
Detanger, Pierre, to Societe Interconinentale des Containers S.I.C. Cargo shipping container. 213,079, 12–31–68, Cl. D87—1.
Detanger, Pierre, to Societe Intercontinentale des Contalners S.I.C. Freight container. 213,080, 12–31–68, Cl. D87—1.
Deucher, Theodore F. Piezoelectrically ignited gas torch. 212,287, 9–24–68, Cl. D26—1.
De Vane, Harry M. Hyrotherapy tub for use in swimming pools. 212,452, 10–15–68, Cl. D83—1.
Dever, Lynn: *See*—
Church, Celia C. 213,053.
Devin, Oliver K., Jr., to Electro Development Corp. Font of type or the like. 211,293, 6–4–68, Cl. D64—12.
Devine, James S.: *See*—
Olson, Gust A., and Devine. 212,868.
De Vos, Hendrik A. J.: *See*—
MacLeod, Robert B., Jr., and De Vos. 212,549.
De Vos, Hendrik A. J., R. E. Petersen, and J. J. Vetere, to Sylvania Electric Products Inc. Fluorescent lamp fixture for ripening produce or similar articles. 211,389, 6–11–68, Cl. D48—20.
De Vries, Jacob. Display stand. 211,764, 7–23–68, Cl. D80—9.
Dewenter, Henry A. Blender base. 210,265, 2–20–68, Cl. D89—1.
Di Amico, John. Game board. 210,607, 3–26–68, Cl. D34—5.
Diamond Shamrock Corp.: *See*—
Pulver, Dale R., and Reynoso. 212,586.
Diamond, Harvey E., to Union Broach Co., Inc. Cabinet for an electronic device or similar article. 212,536, 10–29–68, Cl. D26—5.
Diamond International Corp.: *See*—
Schelmetic, Ronald A. 212,411.
Dick, Robert M., and G. D. Howell, to Peck's Products Co. Liquid detergent testing unit. 209,824, 1–9–68, Cl. D16—2.
Dick, Robert M., and G. D. Howell, to Peck's Products Co. Apparatus for automatically testing and maintaining the concentration of solutions for metal treatment. 211,722, 7–23–68, Cl. D16—2.
Dickens, William P., to Indiana University Foundation. Football vest. 210,926, 5–7–68, Cl. D2—27.
Dickerson, Edward L. Game board. 212,629, 11–5–68, Cl. D34—5.
Di Domenico, Joseph. Stamp dispensing machine. 211,056, 5–14–68, Cl. D52—3.
Diebold, Inc.: *See*—
Anders, Walter G. 212,158.
Dieckmann, George W., Jr., to Food Equipment Corp. Refrigerated display case. 212,398, 10–8–68, Cl. D80—11.
Dietrich, Anton, to Optische Werke G. Rodenstock. Spectacle frame. 209,925, 1–16–68, Cl. D57—1.
Dietrich, Gerhard, to M. Grundig. Housing for cassette type magnetic tape playback apparatus, or similar article. 209,970, 1–23–68, Cl. D26—14.
Dietrich, Gerhard, to M. Grundig. Portable type magnetic tape recording and playback apparatus or similar article. 212,189, 9–10–68, Cl. D26—14.
Dietrich, Gerhard, and A. Mamet, to Triumph Werke Nuernberg A.G. Typewriter or the like. 212,652, 11–5–68, Cl. D64—11.
Dietz, Paul F. Surface illuminator housing for an optical comparator. 212,391, 10–8–68, Cl. D57—1.
Dietz, R. E., Co.: *See*—
Chase, David O., and Maloney. 212,550.
Dawson, Robert E. 212,134.
Difco Laboratories, Inc.: *See*—
Kuypers, Norbert T. 212,736.
Digital Equipment Corp.: *See*—
Jordan, James. 211,691.
Di Giuseppe, Guido R. Dental floss holder. 211,880, 8–6–68, Cl. D24—1.
Dillingham, Paul A. Gameboard. 211,798, 7–30–68, Cl. D34—5.
Dilyard, Richard D., to Rubbermaid Inc. Tape cartridge carrier. 212,794, 11–19–68, Cl. D87—1.
Dine, Lester A., and E. S. Lemmey. Combined photographic lens turret and light source or similar article. 210,253, 2–20–68, Cl. D61—1.
Di Pierro, Michael J.: *See*—
Birger, Jordan, and M., and Di Pierro. 210,795.
Dirksen, Janice M., to The Seeburg Corp. Cigarette vending machine. 212,504, 10–22–68, Cl. D52—3.
Di Sesa, Frank J., Jr., to Sunbeam Corp. Mixer. 210,475, 3–12–68, Cl. D44—1.
Disko, Harry, to Marvin Glass & Associates. Vanity mirror. 211,767, 7–23–68, Cl. D86—10.
Disko, Harry, to Marvin Glass & Associates. Electric crayon holder. 212,884, 12–10–68, Cl. D25—1.
Distograph Products Inc.: *See*—
Giller, Ronald R. 213,004.
Giller, Ronald R. 213,005.
Giller, Ronald R. 213,006.
Giller, Ronald R. 213,007.
Giller, Ronald R. 213,008.
Di Vona, Anthony, and W. Eckelkamp. Combined arm rest and storage container for tape cartridges. 212,403, 10–8–68, Cl. D87—1.
Di Vona, Anthony, and W. Eckelkamp. Combined arm rest and storage container for tape cartridges. 212,726, 11–12–68, Cl. D87—1.
Dixon, Eugene. Hammer for removing dents from the inside of cylindrical metal containers. 210,061, 1–30–68, Cl. D93—4.
Dixon, Max D. Hanger unit for flowers or the like. 211,890, 8–6–68, Cl. D35—3.
Doban Labs, Inc.: *See*—
Miller, Daniel D. 211,799.
Dobson, William E. Adjustable jack post support. 211,040, 5–14–68, Cl. D41—1.
Doerner, Frank, to Doerner Products Co. Ltd. Adjustment control unit for a chair. 212,689, 11–12–68, Cl. D15—1.
Doerner Products Co. Ltd.: *See*—
Doerner, Frank. 212,689.
Dohren, Martin R. Panel or the like. 209,816, 1–9–68, Cl. D13—1.
Dole, Charles M., Jr., to Corning Glass Works. Meter or similar device. 210,490, 3–12–68, Cl. D52—6.
Dole, Charles M., Jr., and R. B. Mullaly, to Corning Glass Works. Electrode holder or the like. 211,241, 6–4–68, Cl. D16—1.
Doman, Donald W., to Kohler Co. Combined bath tub and grab rails. 211,876, 8–6–68, Cl. D23—55.
Doman, Donald W., to Kohler Co. Combined bath tub and grab rails. 211,877, 8–6–68, Cl. D23—55.
Doman, Donald W., to Kohler Co. Lavatory. 212,418, 10–15–68, Cl. D23—58.
Domby, Robert G.: *See*—
Clauss, Walter J., and Domby. 211,733.
Dominion Electric Corp.: *See*—
Cox, Austin E. 211,150.
Cox, Austin E. 211,185.
Cox, Austin E. 212,993.
Dominion Electrohome Industries Ltd.: *See*—
Duern, Gordon L. 210,099.
Duern, Gordon L. 211,523.
Donaldson, David, to Container Corp. of America. Egg carton. 212,213, 9–17–68, Cl. D9—190.
Doner, Howard P. Frame for a couch. 211,869, 8–6–68, Cl. D15—11.
Donley Bros. Co., The: *See*—
McDowell, Harry S. 210,722.
Toerge, Fred L., and Hoehne. 212,947.
Toerge, Fred L., and Hoehne. 212,948.
Donlon, Peter D. Barbecue. 211,141, 5–21–68, Cl. D81—10.
Donnellon, Jerome J. Game board. 211,529, 6–25–68, Cl. D34—5.
Donofrio & Co.: *See*—
Donofrio, William T. 211,014.

Donofrio, William T., to Donofrio & Co. Body for a utility vehicle. 211,014, 5–14–68, Cl. D14—3.
Doring, William H., D. O. Chase, and W. W. Sammons, to Union Carbide Corp. Portable lantern. 211,393, 6–11–68, Cl. D48—24.
Dorsett Industries, Inc.: *See*—
Dorsett, Loyd G. 212,226.
Dorsett, Loyd G., to Dorsett Industries, Inc. Audio-visual tutoring device. 212,226, 9–17–68, Cl. D25—1.
Dorsey, William J., to Kaysam Corp. of America. Boot. 210,511, 3–19–68, Cl. D2—272.
Doster, Karl, and T. Slimes. Fire extinguisher. 210,941, 5–7–68, Cl. D16—2.
Doswell, Mathew: *See*—
Frischman, Arnold, and Doswell. 212,767.
Douglas, David. Tray. 210,614, 3–26–68, Cl. D44—10.
Douglas, David. Pitcher. 210,901, 4–30–68, Cl. D44—21.
Douglas, David. Carafe. 211,978, 8–20–68, Cl. D9—139.
Douglas, George B., and R. C. Eberhardt. Combined hair spray applicator and container thereof. 210,644, 3–26–68, Cl. D86—10.
Douglas, Livingston C., to Colgate-Palmolive Co. Bottle or similar article. 209,781, 1–2–68, Cl. D58—6.
Douglas, Livingston C., to Colgate-Palmolive Co. Bottle or similar article. 209,782, 1–2–68, Cl. D58—6.
Douglas, Livingston C., to Colgate-Palmolive Co. Bottle or similar article. 210,650, 4–2–68, Cl. D9—90.
Douglas, Livingston C., to Colgate-Palmolive Co. Bar of soap or similar article. 210,709, 4–2–68, Cl. D73—1.
Douglas, Livingston C., to Colgate-Palmolive Co. Jug or similar article. 212,455, 10–22–68, Cl. D9—40.
Douglass, William A. Hog ring plier tool. 212,909, 12–10–68, Cl. D54—13.
Dow Chemical Co., The: *See*—
Eicholtz, Clara V., and Trombley. 211,931.
Eicholtz, Clara V., Vansickle, and Trombley. 211,682.
Macalusa, Carroll J. 212,073.
Macaulay, Delmar F., and Blank. 211,574.
Macaulay, Delmar F., and Tompkins. 210,003.
Macaulay, Delmar F., and Tompkins. 211,003.
Schaper, Earl L., and Marcus. 213,040.
Downs, Philip E., to Coro, Inc. Jewelry display stand. 210,921, 4–30–68, Cl. D80—9.
Doyle, Richard H.: *See*—
Gallee, George J., Obergfell, and Doyle. 210,242.
Drackett Co., The: *See*—
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Podall, Robert. 212,414.
Sterges, Alfred D. 210,271.
Drake, Eugene S. Safety pin or the like. 210,817, 4–23–68, Cl. D2—413.
Draudt, Donald A., to Clin-Aid Products, Inc. Thermometer case. 209,857, 1–9–68, Cl. D52—7.
Drexel Institute of Technology: *See*—
Flynn, George A. 210,551.
Dreyfuss, Henry, to American Machine & Foundry Co. Bowling lane masking unit. 209,843, 1–9–68, Cl. D34—5.
Dreyfuss, Henry, to The Singer Co. Sewing machine or similar article. 210,053, 1–30–68, Cl. D70—1.
Dreyfuss, Henry, to The Singer Co. Electric scissors. 210,441, 3–5–68, Cl. D95—5.
Dreyfuss, Henry, to Bell Telephone Laboratories, Inc. Telephone handset. 210,775, 4–16–68, Cl. D26—14.
Dreyfuss, Henry, to Bell Telephone Laboratories, Inc. Telephone stand. 210,777, 4–16–68, Cl. D26—14.
Dreyfuss, Henry, to Bell Telephone Laboratories, Inc. Telephone stand. 210,776, 4–16–68, Cl. D26—14.
Dreyfuss, Henry, to Bell Telephone Laboratories, Inc. Telephone booth unit. 211,012, 5–14–68, Cl. D13—1.
Dreyfuss, Henry, to Southern California Edison Co. Transmission tower. 211,089, 5–21–68, Cl. D26—12.
Dreyfuss, Henry, to Bell Telephone Laboratories, Inc. Combined telephone handset and desk stand. 211,472, 6–18–68, Cl. D26—14.
Dreyfuss, Henry, to Bell Telephone Laboratories, Inc. Combined telephone handset and desk stand. 211,736, 7–23–68, Cl. D26—14.
Dreyfuss, Henry, to Bell Telephone Laboratories, Inc. Combined telephone handset and desk stand. 211,737, 7–23–68, Cl. D26—14.
Dreyfuss, Henry, to Bell Telephone Laboratories, Inc. Combined telephone handset and desk stand. 211,738, 7–23–68, Cl. D26—14.
Dreyfuss, Henry, to Bell Telephone Laboratories, Inc. Telephone desk stand. 211,739, 7–23–68, Cl. D26—14.
Dreyfuss, Henry, to The Singer Co. Sewing machine. 212,061, 8–20–68, Cl. D70—1.
Dreyfuss, Henry, to Bell Telephone Laboratories, Inc. Combined telephone handset and desk stand. 212,095, 8–27–68, Cl. D26—14.
Dreyfuss, Henry, to The Singer Co. Combined display and dispensing stand for needles or the like. 212,267, 9–17–68, Cl. D80—9.
Dreyfuss, Henry, to Sperry Rand Corp. Desk calculator. 212,310, 9–24–68, Cl. D64—11.
Dreyfuss, Henry. Calculator. 212,917, 12–10–68, Cl. D64—11.
Dreyfuss, Henry, and W. R. Peterson, to The Singer Co. Foot-operated controller for sewing machines. 210,219, 2–20–68, Cl. D26—13.
Dreyfuss, Henry, and J. M. Conner, to Deere & Co. Tractor. 210,521, 3–19–68, Cl. D14—3.
Dreyfuss, Henry, J. L. Fischer, and N. R. Hall, to Bell Telephone Laboratories, Inc. Telephone booth. 212,081, 8–27–68, Cl. D13—1.
Dreyfuss, Henry, and P. L. Wise, to Bell Telephone Laboratories, Inc. Telephone facility display marker. 212,798, 11–19–68, Cl. D96—12.
Driscoll, Neil J. Push button control station. 211,950, 8–13–68, Cl. D26—13.
Driver, William J.: *See*—
Thomson, George, and Driver. 211,951.
Dru, Rene. Cover for packaging container or the like. 211,979, 8–20–68, Cl. D9—264.
Drummond, Archie G., Jr., to The Procter & Gamble Co. Facial tissue. 211,672, 7–9–68, Cl. D59—2.
Drupa, Laimons E., and R. L. Strong, to General Precision Systems Inc. Fixed-base aviation trainers. 210,562, 3–19–68, Cl. D71—1.
Dsenis, Harold L.: *See*—
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Dubay, Russel. Mobile home. 210,011, 1–30–68, Cl. D14—3.
Dubick, Leslie H. Textile fabric. 211,072, 5–14–68, Cl. D92—11.
Dublirer, Robert: *See*—
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Duboeuf, Georges. Bottle. 211,562, 7–2–68, Cl. D9—136.
Ducharme, George J. Hanger for boots or the like. 210,413, 3–5–68, Cl. D54—1.
Duchinsky, Bernard L., to International Oil Burner Co. Air conducting furnace cabinet door. 211,173, 5–28–68, Cl. D23—128.
Dudas, Frank E., and A. D. Mackeen, to Dudas Kuypers Rowan Ltd. Handle for a cooking utensil. 212,377, 10–8–68, Cl. D44—29.
Dudas, Frank E., and A. D. Mackeen, to Dudas Kuypers Rowan Ltd. Handle for a cooking utensil. 212,378, 10–8–68, Cl. D44—29.
Dudas, Frank E., and A. D. Mackeen, to Dudas Kuypers Rowan Ltd. Cover knob for a cooking utensil. 212,379. 10–8–68, Cl. D44—29.
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Dudas, Frank E., and Mackeen. 212,377.
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Dudas, Frank E., and Mackeen. 212,379.
Dudek, Edmund C., to The Singer Co. Portable electric drill. 212,910, 12–10–68, Cl. D54—14.
Dudek, Edmund C., to The Singer Co. Portable electric drill. 212,911, 12–10–68, Cl. D54—14.
Dudley, James M. Gear shift lever extension. 212,938, 12–17–68, Cl. D14—6
Duern, Gordon L., to Dominion Electrohome Industries Ltd. Radio cabinet or similar article. 210,099, 2–6–68, Cl. D56—4.
Duern, Gordon L., to Dominion Electrohome Industries Ltd. Combined lounge chair and dual loudspeaker unit. 211,523, 6–25–68, Cl. L15—11.
Duern, Gordon L., to Electrohome, Ltd. Front panel for a radio cabinet or similar article. 211,734, 7–23–68, Cl. D26—14.
Duern, Gordon L., to Electrohome Ltd. Combined lounge chair and dual loudspeaker unit. 212,881, 12–10–68, Cl. D15—11.
Du-Fold, Inc.: *See*—
Kelley, David L. 211,981.
Duggan, Thomas R. Combined rosary and container therefor. 211,274, 6–4–68, Cl. D45—1.
Dulin, Thomas C., to Litton Business Systems, Inc. Casing for a photocopy machine or the like. 212,395, 10–8–68, Cl. D61—1.
Dunbar, George W., to Kusan, Inc. Figure toy or the like. 211,652, 7–9–68, Cl. D34—15.
Duncan, Eathel L., to The Goodyear Tire & Rubber Co. Tire. 212,271, 9–17–68, Cl. D90—20.
Duncan, Jack K.: *See*—
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Jones, Frank B. 210,344.
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Du Pont de Nemours, E. I., and Co.: *See*—
Mease, Gary L. 210,456.
Mease, Gary L. 210,457.
Mease, Gary L. 210,458.
Mease, Gary L. 210,459.
White, William G. 212,873.
Du Pont, Richard P. Coaster or similar article. 212,965, 12–17–68, Cl. D44—10.
Du Pree, Ernest L., to Schenley Industries, Inc. Jug. 210,269, 2–27–68, Cl. D9—38.
Du Pree, Ernest L., to Schenley Industries, Inc. Combined decanter and closure therefor. 211,079, 5–21–68, Cl. D9—122.

Du Pree, Ernest L., to Schenley Industries, Inc. Bottle. 211,236, 6–4–68, Cl. D9—112.
Du Pree, Ernest L., to Schenley Industries, Inc. Decanter. 211,625, 7–9–68, Cl. D9—123.
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Duro Engineering & Mfg., Inc.: *See*—
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Durst, Gilbert, to Durst A.G. Fabrik Fototechnischer Apparate. Photographic enlarger. 210,254, 2–20–68, Cl. D61—1.
Durst, Gilbert, to Durst S.p.A. Fabbrica Macchine ed Apparecchi Fototecnicl. Photographic enlarger. 210,629, 3–26–68, Cl. D61—1.
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Durst, Gilbert. 210,629.
Dustbane Enterprises Ltd.: *See*—
Koch, Peter J. 212,831.
Dustin, Robert E., to Milprint, Inc. Carrying case for transparencies or similar article. 212,839, 11–26–68, Cl. D87—5.
Dweck, Maurice J. Earring. 211,385, 6–11–68, Cl. D45—9.
Dwyer, Dorothy C. Combined hamper and seat. 211,169, 5–28–68, Cl. D15—1.
Dyer, Richard H. Truck terminal. 212,799, 11–26–68, Cl. D13—1.
Dykmans, John A., and J. Connor, to Calma Co. Graphical data digitizer. 211,473, 6–18–68, Cl. D26—14.
Dynamic Classics, Ltd.: *See*—
Cooper, Marvin. 212,496.
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Mas, Joseph A. 212,233.
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Leath, William S. 210,334.
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E. P. Research, Inc.: *See*—
Tidwell, James O. 212,563.
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Rhoades, Nolan K., and Jacobsen. 210,684.
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Eames, Charles, to Herman Miller, Inc. Seat. 210,940, 5–7–68, Cl. D15—8.
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Hansen, David E. 211,911.
McClare, Andrew V. 211,969.
Peterson, Dean M., and Pickering. 210,627.
Quinn, Peter T. 210,050.
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Gandelman, Morris D., to Jacoby-Bender, Inc. Link chain for a bracelet or the like. 211,048, 5–14–68, Cl. D45—4.
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Gehrie, Charles S., and S. Koffler, said Gehrie assor. to said Koffler. Luggage case or similar article. 210,185, 2–13–68, Cl. D87—5.
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Gelak, Richard, and R. Ippoliti, to Samson Plastics, Inc. Urinal. 212,574, 10–29–68, Cl. D83—1.
Gelardi, Anthony, and G. Mathus, to The Morningstar Corp. Magnetic tape cartridge. 212,761, 11–19–68, Cl. D26—14.

Gelles, Daniel E. Hook for garment bag display. 211,128, 5–21–68, Cl. D54—1.
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Gilson, Channing W., and J. E. Larrison, to Hughes Aircraft Co. Industrial ultrasonic welder. 211,525, 6–25–68, Cl. D26—1.
Giordano, Frank L., to The National Ideal Co. Electric insect control unit. 212,358, 10–8–68, Cl. D22—19.
Giordano, Frank L., to The National Ideal Co. Electric insect control unit. 212,883, 12–10–68, Cl. D22—19.
Girard, Bruce, Garabedian et Associes, Ltee: *See*—
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Gleichert, Arthur A., ½ to R. J. Bales. Combination toothbrush, closure cap and dentifrice container. 211,151, 5–28–68, Cl. D4—18.
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Godfrey, Edwin A. Golf club cleaner. 212,712, 11–12–68, Cl. D49—23.
Goertz, Albrecht. Movie camera. 211,062, 5–14–68, Cl. D61—1.
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Fusco, Frank, and N. C. and W. Gold. 212,635.
Goldberg, Frederick I., and R. C. Petrucelli. Amphitheater. 211,515, 6–25–68, Cl. D13—1.
Golden, Gerald J., J. E. Walker, and T. T. Tsuji. Housing for a radio tuner or similar article. 211,210, 5–28–68, Cl. D56—4
Golden, Harry, to Ideas For Auto and Bike Specialties, Inc. Velocipede saddle. 211,145, 5–21–68, Cl. D90—16.
Golden, Harry, to Ideas For Auto and Bike Specialties, Inc. Velocipede saddle. 211,146, 5–21–68, Cl. D90—16.
Golden, Harry, to Ideas For Auto and Bike Specialties, Inc. Simulated headlight for toy vehicles or the like. 211,195, 5–28–68, Cl. D34—15.
Golding, Frank E., to Toledo Scale Corp. Mixer-chopper for meat or vegetables or the like. 209,922, 1–16–68, Cl. D55—1.
Golenski, Jeffrey D. Combined snow plow and handle therefore or similar article. 212,958, 12–17–68, Cl. D35—2.
Golnick, Leon Shaffer Advertising, Inc.: *See*—
Beck, William A., Blom, and Beebe. 211,648.
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Gonzalez, Tony. Combination electrical outlet and cord cover. 210,591, 3–26–68, Cl. D26—13.
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Goodman, Barry. Curtain fabric or similar article. 211,071, 5–14–68, Cl. D92—1.
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Price, James R. 210,165.
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Goss, Anthony. Hand operated cutting tool. 213,000, 12–17–68, Cl. D95—3.
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Graham, Michael M. Automobile arm rest console. 211,333, 6–11–68, Cl. D14—6.
Grande, Nicholas A., to Westbury Electronics Corp. Information display board for race tracks. 211,229, 5–28–68, Cl. D96—12.
Grange, Kenneth, to Morphy-Richards Ltd. Electric iron. 211,280, 6–4–68, Cl. D49—6.

Granger, David D., to Maxwell Royal Chair Co. Chair. 210,659, 4–2–68, Cl. D15—1.
Granger, David D., to Maxwell Royal Chair Co. Chair or similar article. 211,018, 5–14–68, Cl. D15—1.
Granger, David D. Chair or similar article. 211,573, 7–2–68, Cl. D15—1.
Granger, David D., to Maxwell Royal Chair Co. Paneled wing chair or similar article. 211,632, 7–9–68, Cl. D15—1.
Granger, David D., to Maxwell Royal Chair Co. Side paneled chair or similar article. 211,633, 7–9–68, Cl. D15—1.
Granger, David D., to Maxwell Royal Chair Co. Winged armchair or similar article. 211,785, 7–30–68, Cl. D15—1.
Granger, David D., to Maxwell Royal Chair Co. Chair or similar article. 211,786, 7–30–68, Cl. D15—1.
Granger, George E. Combination identification and turn signal unit for bicycles. 210,112, 2–6–68, Cl. D90—1.
Gransden, Lyle. Garden rake. 211,596, 7–2–68, Cl. D39—1.
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Smith, David J. V. 209,873.
Gray, Gene W. Hair comb. 211,501, 6–18–68, Cl. D86—8.
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Grebow, Leon D. Flexible pouring spout for a container. 209,871, 1–9–68, Cl. D58—26.
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Greene, Harry G. Appliance to hold dental rubber dam. 212,360, 10–8–68, Cl. D24—1.
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Greenfield, Albert B. Grocery bag packer. 210,637, 3–26–68, Cl. D80—1.
Greenfield, Albert B. Grocery bag packer. 210,638, 3–26–68, Cl. D80—1.
Greenfield, Albert B. Grocery bag packer. 210,639, 3–26–68, Cl. D80—1.
Greenfield, Albert B. Grocery bag packer. 210,640, 3–26–68, Cl. D80—1.
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Greitzer, Morris and S., to Industrial Container Corp. Covered pail. 209,932. 1–16–68, Cl. D58—17.
Greitzer, Morris and S., to Industrial Container Corp. Closure for pails or the like. 210,196. 2–20–68, Cl. D9—254.
Greitzer, Morris and S., to California Maple. Subterranean transformer vault. 210,716, 4–9–68, Cl. D13—1.
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Griffith, George E., and J. R. Cid, to Colgate-Palmolive Co. Bar of soap or similar article. 213,074, 12–31–68, Cl. D73—1.
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Grossman, Charles F., and M. A. Southcott, to Ampex Corp. Combined display and control console for an information filing and retrieval system. 210,587, 3–26–68, Cl. D26—5.
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Grube, Clifford E., to Associated Mills, Inc. Facial vaporizer. 210,337. 2–27–68, Cl. D83—1.
Gruber, Francia E. Cutting board. 212,494, 10–22–68, Cl. D44—1.
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Guardian Light Co.: *See*—
Vesely, Donald V., and Dalpiaz. 212,899.
Vesely, Donald V., and Dalpiaz. 212,900.
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Gulotta, Gerald D., to Clay-Adams, Inc. Centrifuge or similar article. 211,466, 6–18–68, Cl. D16—2.
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Haber, William. Clip for holding cards and the like. 211,555, 6–25–68, Cl. D96—3.
Haffenden, Philip A. W., to W. W. Haffenden, Ltd. Swimming cap. 211,623, 7–9–68, Cl. D2—238.
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Haga, Henry G., to General Motors Corp. Automobile. 212,152, 9–3–68, Cl. D14—3.
Hagelbarger, David W., to Bell Telephone Laboratories, Inc. Finger wheel telephone dial. 211,740, 7–23–68, Cl. D26—14.
Hagoplan, Charles H. Holder for soap, wash cloths and similar articles. 212,369. 10–8–68. Cl. D33—26.
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Hall, Justice. Doorknob cover. 211,398, 6–11–68, Cl. D50—3.
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Hallbeck, Thordis G. Insulated food carrier. 212,034, 8–20–68, Cl. D44—1.
Halm, Hans, to Dr. Best, G.m.b.H. Toothbrush. 209,736, 1–2–68, Cl. D9—2.
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Hamill, James P. Safety razor head guard. 210,713, 4–2–68, Cl. D95—3.
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Hamilton Cosco, Inc.: *See*—
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Hamilton, John J., and J. F. Sellars, Jr., to Hamilton Cosco, Inc. Infant chair. 210,276, 2–27–68, Cl. D15—1.
Hamilton, John J., and C. E. Schroer. Table. 210,606, 3–26–68, Cl. D33—14.
Hamilton, John J., and C. E. Schroer. Tray table rack. 212,291, 9–24–68, Cl. D33—3.
Hamilton, William F., and S. R. Scheyer, to Decorel Corp. Serving tray. 212,964, 12–17–68, Cl. D44—10.
Hammon, Fred. Fish lure. 211,019, 5–14–68, Cl. D22—27.
Hammond, Thomas, to Rival Lamps Ltd. Adaptor for a capless electic lamp. 211,087, 5–21–68, Cl. D26—1.
Hammond, Thomas, to Rival Lamps Ltd. Electric lamp. 211,349, 6–11–68, Cl. D26—8.
Hammond, Thomas, to Rival Lamps Ltd. Electric lamp. 211,350, 6–11–68, Cl. D26—8.
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Alonco, Denis R., and Hanayama. 209,912.

Hange, Clayton O., to The Wooster Brush Co. Paint brush. 211,446, 6–18–8, Cl. D4—38.

Hanlon, Patrick G. Collapsible tube. 212,412, 10–15–68, Cl. D9—194.

Hanlon, Richard J., H. G. Yeo, and R. M. Grubb, to Augat, Inc. Integrated circuit socket. 210,829, 4–28–68, Cl. D26—1.

Hannan, William M.: *See*—
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Hansen, David E., to Eastman Kodak Co. Adapter for feeding parallel stacked transparencies to a slide projector or similar article. 211,911, 8–6–68, Cl. D61—1.

Hanseter, Ronald A., R. P. Sigman, and B. H. Tynan, to American Can Co. Compartmented tray. 211,320, 6–11–68, Cl. D9—185.

Hansford, William W., Jr., to Puritan Compressed Gas Corp. Oxygen administering mask unit. 209,884, 1–9–68, Cl. DS3—1.

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Hanson, Lila M. and B. B., and G. H. McCutcheon, to Westland Plastics, Inc. Baby food jar holder. 211,044, 5–14–68, Cl. D44—10.

Hanson, Sherwood M. Putter head. 211,374, 6–11–68, Cl. D34—5.

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Harding, David B., to Sani-Jon of America, Inc. Portable chemical toilet. 209,962, 1–23–68, Cl. D23—48.

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Hardy, Ralph B. Gunstock mount for cameras. 211,290, 6–4–68, Cl. D61—1.

Hardy Scales Co.: *See*—
Smith, Darrell E. 210,044.

Hardy, Warren B. Tuner for a public address system. 213,050, 12–31–68. Cl. D26—14.

Harff, Gunter, and L. A. Grossman. Barbecue grill. 211,919, 8–6–68, Cl. D81—10.

Harlam, Gerald F., to Pilling Chain Co., Inc. Pull for a slide fastener. 212,349, 10–8–68, Cl. D2—415.

Harmsen, Johan L. Conductor rail support bracket. 210,620, 3–26–68, Cl. D54—1.

Harmsen, Johan L. Conductor rail support member. 211,606, 7–2–68, Cl. D54—1.

Harness, Bobby L. Swing seat. 210,139, 2–18–68, Cl. D34—5.

Harness, Bobby L. Teeter-totter. 211,650, 7–9–68, Cl. D34—5.

Harness, Bobby L. Merry go round. 212,483, 10–22–68, Cl. D34—5.

Harness, Bobby L. Playground slide. 212,484, 10–22–68, Cl. D34—5.

Harrison, Harry L.: *See*—
Ball, Frank R., and Harrison. 211,245.

Harrison, Mortimer J., to Bishop Industries Inc. Combined mirror and lipstick holder. 212,517, 10–22–68, Cl. D86—10.

Harrison, Stanley D., to Mole-Richardson Co. Floodlight for photographers or the like. 211,388, 6–11–68, Cl. D48—20.

Hart, Alexander W., and D. D. Acton, to Anchor Hocking Glass Corp. Closure cap or the like. 212,843, 12–3–68, Cl. D9—267.

Hart, Richard S.: *See*—
Stewart, James B., and Hart. 211,264.

Hart, Richard S., to Sunbeam Corp. Supporting stand for an electric knife. 210,488. 3–12–68. Cl. D44—29.

Hart, Richard S., to Minnesota Mining and Mfg. Co. Tape recorder. 210,537, 3–19–68, Cl. D26—14.

Hart, Richard S., to V-M Corp. Combined mount and handle for a phonograph or similar article. 210,852, 4–23–68, Cl. D56—4.

Hartwyk Mfg. Co.: *See*—
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Harvey, Robert V. Game board. 210,034, 1–30–68, Cl. D34—5.

Hasegawa, Tetsujiro. Radio tuner cartridge for a tape-recorder or similar article. 211,252, 6–4–68, Cl. D26—14.

Hasegawa, Tetsujiro. Tape recorder or similar article. 211,997, 8–20–68, Cl. D26—14.

Hasenbank, Kenneth N., to Toro Mfg. Corp. Lubricator for lawn mowers and the like. 212,036, 8–20–68, Cl. D46—1.

Haskon, Inc.: *See*—
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Kelly, Norman A. 210,569.
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Hasselbach, Arthur. Container for plants. 210,739, 4–9–68, Cl. D35—3.

Hassenfeld Bros., Inc.: *See*—
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Hassenfeld, Harold. 211,283.

Hassenfeld, Harold, to Hassenfeld Bros., Inc. Magnifying ruler. 211,283, 6–4–68, Cl. D52—6.

Hathorn, William R., Jr. Barbecue stand. 209,954, 1–23–68, Cl. D18—1.

Hauck, Robert F., to Louis Marx & Co., Inc. Tray for darts or the like. 212,591. 11–5–68, Cl. D9—185.

Hauk, Ernest D. Portable post driver. 210,805, 4–16–68, Cl. D54—14.

Hausam, Leonard P. Coffee maker. 212,317, 9–24–68, Cl. D94—3.

Hauser, Hans, to The J. B. Foote Foundry Co. Transmission. 211,209, 5–28–68, Cl. D55—1.

Hauser, Jon W., 5% to C. H. Redman, and 4% to R. D. Shearer. Toaster. 211,433, 6–11–68, Cl. D81—10.

Hawkins, Elizabeth W. Gameboard. 212,102, 8–27–68, Cl. D34—5.

Hawkinson, Paul E., Co.: *See*—
Hawkinson, Raymond P. 210,438.
Hawkinson, Raymond P. 210,925.

Hawkinson, Raymond P., to Paul E. Hawkinson Co. Tire. 210,438, 3–5–68. Cl. D90—20.

Hawkinson, Raymond P., to Paul E. Hawkinson Co. Tire. 210,925, 4–30–68, Cl. D90—20.

Hawley, William K. Infant's bathing aid. 211,244, 6–4–68, Cl. D28—52.

Hayakawa Denki Kogyo Kabushiki Kaisha: *See*—
Yoshida, Yoshisaburo. 212,783.
Yoshida, Yoshisaburo. 212,784.

Hayashi, Kikuo. Pair of sunglasses. 211,966, 8–13–68, Cl. D57—1.

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Hayes Mfg. Co.: *See*—
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Hayes, Raymond K., B. Ross, and S. Levine, to Del Laboratories, Inc. Hair accelerated treatment cap. 210,056, 1–30–68, Cl. D86—10.

Hayes, Thomas H., to Creative Packaging Inc. Plastic box. 210,869, 4–30–68, Cl. D9—235.

Hayes, Thomas H., to Creative Packaging Inc. Display case. 211,548, 6–25–68, Cl. D80—11.

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Hechtle, Emil, to Radiant Pen Corp. Cartridge actuator for a writing instrument. 210,635, 3–26–68, Cl. D74—17.

Heck, Edward E., to Republic Molding Corp. Lazy susan. 210,896, 4–30–68, Cl. D44—10.

Heck, Edward E., to Republic Molding Corp. Wastebasket. 211,903, 8–6–68, Cl. D49—30.

Heckethorn, John E. Accessory automotive seat cushion. 210,014, 1–30–68. Cl. D15—8.

Hedgewick, Peter, and J. E. White, Jr., to Reflex Corp. of Canada Ltd. Housing for mounting a sealed beam headlamp. 212,970, 12–17–68, Cl. D48—32.

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Hegon, Robert. Combined portable radio and phonograph or similar article. 210,493, 3–12–68, Cl. D56—4.

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Heimert, Albert E., III. Television set support rack. 210,603, 3–26–68, Cl. D33—3.

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Heintze, Walter T., to Schenley Industries, Inc. Decanter. 212,277, 9–24–68, Cl. D9—137.

Heirich, William C. Wall paneling. 212,341, 10–1–68, Cl. D54—2.

Hejduk, Arthur A., to The Meriam Instrument Co. Combined handle and fluid flow metering orifice plate. 210,661, 4–2–68, Cl. D23—27.

Hekman, Louis H., to Holland Industries, Inc. Wall mount hook. 212,553, 10–29–68, Cl. D54—1.

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Hill, Frederick M., to Ranco Inc. Wall thermostat. 212,973, 12–17–68, Cl. D52—7.
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Hills, David G., to Monsanto Co. Bottle or simi'ar article. 212,320, 10–1–68, Cl. D9—100.
Hills, David G., to Monsanto Co. Bottle or similar article. 212,321, 10–1–68, Cl. D9—100.
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Hinohara, Kango, to Kabushiki Kaisha Kumahira Seisakusho. Vault ventilator. 209,794, 1–2–68, Cl. D69—1.
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Hitsuoka, Hiloshi. Radio receiver or similar article. 210,416, 3–5–68, Cl. D56—4.
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Hodge, Gerard T., to Mining & Chemical Products Ltd. Metal ball anode. 210,662, 4–2–68, Cl. D26—1.
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Hofmann-Igl, Ernest, to Georg Fritzmeier KG, Firma. Tractor cabin. 210,201, 2–20–68, Cl. D14—3.
Hofmann-Igl, Ernest, to Georg Fritzmeier KG, Firma. Equipment operator's cabin. 210,203, 2–20–68, Cl. D14—3.
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Holloway, Toni. Pair of eye make-up spectacles. 212,781, 11–19–68, Cl. D57—1.
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Holls, David R., to General Motors Corp. Motor vehicle lamp lens. 212,255, 9–17–68, Cl. D48—32.
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Judson, William V., to General Electric Co. Clock or similar article. 211,695. 7–16–68. D42—7.
Jurgens, Hans P., to Almaden Vineyards, Inc. Jug. 212,671, 11–12–68, Cl. D9—48.
Juy, Lucien C. H. Bicycle change-speed control lever. 212,069, 8–20–68, Cl. D90—1.
Kabanov, Nikolai P., V. S. Schukin, N. M. Bystrov, G. A. Babinov, and P. I. Moryashov. Hollow glass building block. 212,846, 12–3–68, Cl. D18—2.
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Kadmon, Otto and A. Christmas ornament or the like. 211,366, 6–11–68, Cl. D29—1.
Kadmon, Otto and Alice. Christmas tree ornament. 211,475, 6–18–68, Cl. D29—1.
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Kagan, Vladimir. Table or similar article. 210,386, 3–5–68, Cl. D33—14.
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Kahn, Robert D., to Fedtro, Inc. Insect electrocuting trap. 210,015. 1–30–68, Cl. D22—19.
Kahn, Robert D., to Fedtro, Inc. Interphone. 210,026, 1–30–68, Cl. D26—14.
Kahn, Robert D., to Fedtro, Inc. Electrical timer. 210,305, 2–27–68, Cl. D47—7.
Kahn, Robert D., to Fedtro, Inc. Headlight delay control. 210,593, 3–26–68, Cl. D26—13.
Kahn, Robert D., to Fedtro, Inc. Intercommunications unit. 210,595, 3–26–68, Cl. D26—14.
Kahn, Robert D., to Fedtro, Inc. Rechargeable flashlight. 210,905, 4–30–68, Cl. D48—24.
Kahn, Robert D., to Fedtro, Inc. Television demagnetizer. 211,022, 5–14–68, Cl. D26—1.
Kahn, Robert D., to Fedtro, Inc. Dry-chemical fire extinguisher. 211,084, 5–21–68, Cl. D16—2.
Kahn, Robert D., to Fedtro, Inc. Combined safety flasher switch and indicator light for the conversion of the front and rear auto lights into safety signal flashers. 211,090, 5–21–68, Cl. D26—13.
Kahn, Robert D., to Fedtro, Inc. Intercom unit. 211,092, 5–21–68, Cl. D26—14.
Kahn, Robert D., to Fedtro, Inc. Emergency warning lamp. 211,137, 5–21–68, Cl. D72—1.
Kahn, Robert D., to Fedtro, Inc. Emergency warning lamp. 211,138, 5–21–68, Cl. D72—1.
Kahn, Robert D., to Fedtro, Inc. Razor sharpener casing. 211,482, 6–18–68, Cl. D37—1.
Kahn, Robert D., to Fedtro, Inc. Battery charger. 212,232, 9–17–68, Cl. D26—15.
Kahn, Robert D., to Fedtro, Inc. Flashing signal unit. 212,722, 11–12–68, Cl. D72—1.
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Kaman, Charles H., to Kaman Aircraft Corp. Guitar body or similar article. 209,924, 1–16–68, Cl. D56—1.

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Kaminski, Donald F., to Warwick Electronics, Inc. Portable record player or the like. 212,912. 12–10–68, Cl. D56—4.

Kamp, George B., to International Telephone and Telegraph Corp. Telephone switchboard. 211,643, 7–9–68, Cl. D26—14.

Kamp, George B., to International Telephone and Telegraph Corp. Communication console. 212,230, 9–17–68, Cl. D26—14.

Kamp, George B., and S. Rejniak, to International Telephone and Telegraph Corp. Handsfree telephone adapter with amplifier therefor. 212,231, 9–17–68, Cl. D26—14.

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Kandy-Pak, Inc.: *See*—
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Kane, John R., to Moore Dispensers. Dispenser globe. 211,528, 6–25–68, Cl. D33—30.

Kanegafuchi Spinning Co., Ltd.: *See*—
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Kanitz, Emeric, to Cannon Mills Co. Bedsheet or similar article of bed linen. 212,925, 12–10–68, Cl. D92—26.

Kanter, Harry, and R. Kallman. Necktie knot support. 210,512, 3–19–68, Cl. D2—401.

Kapilow, Marvin. Slide projector or similar article. 211,834, 7–30–68, Cl. D61—1.

Kaplan, Martin: *See*—
Lodding, William F., and Kaplan. 212,276.

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Karban, James, Jr. Golf putter head. 213,056, 12–31–68, Cl. D34—5.

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Karikawa, Tohru, to Asahi Kogaku Kogyo Kabushiki Kaisha. Camera for infrared photography or similar article. 210,428, 3–5–68, Cl. D61—1.

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Karow, William E., and L. E. Simpson. Optical reader. 210,702, 4–2–68, Cl. D61—1.

Karpf, Nikolaus, to Linhof Nikolaus Karpf K.G. Camera. 210,628, 3–26–68, Cl. D61—1.

Karpfen, Leib. Vinyl covered metal step tread. 211,327, 6–11–68, Cl. D13—7.

Kaser, Louis D., and P. F. Paddock, to Sunkist Growers, Inc. Material handling vacuum cup. 212,447, 10–15–68, Cl. D54—13.

Kassin, Ronald A., to Schenley Industries, Inc. Decanter. 212,590, 11–5–68, Cl. D9—137.

Katz, Harold, to Empire Brushes, Inc. Display card for packaged merchandise. 212,076, 8–27–68, Cl. D9—191.

Katz, Joseph, to General Time Corp. Clock. 209,978, 1–23–68, Cl. D42—7.

Katz, Robert: *See*—
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Katzif, Arthur I., to The Magic Score Card Co. Baseball score card. 210,297, 2–27–68, Cl. D34—5.

Katzman, Lawrence, and E. Briggin, to Kaz Mfg. Co., Inc. Baby bottle warmer. 212,985, 12–17–68, Cl. D81—10.

Katzman, Lawrence, and R. Dublirer, to Kaz Mfg. Co., Inc. Facial heating pad. 212,988, 12–17–68, Cl. D83—1.

Katzman, Lawrence, and R. Dublirer, to Kaz Mfg. Co., Inc. Electric heating pad. 213,078, 12–31–68, Cl. D83—1.

Katzman, Phil. Support stand for a television receiver. 211,257, 6–4–68, Cl. D33—14.

Kaufman, Jack W. Combined brush and sponge. 211,315, 6–11–68, Cl. D4—6.

Kaufman, Sarah. Panty girdle. 212,666, 11–12–68, Cl. D2—4.

Kaufman, Vernon R., G. D. Kelly, and L. G. Munson, to Jacobsen Mfg. Co. Snow thrower. 211,595, 7–2–68, Cl. D35—2.

Kausen, Judith L.: *See*—
Kausen, Richard L. and J. L. 211,335.
Kausen, Richard L. and J. L. 211,435.

Kausen, Richard L. and J. L. Baby holding belt for use in a shopping cart. 211,335, 6–11–68, Cl. D15—1.

Kausen, Richard L. and J. L. Baby bottle holder. 211,435, 6–11–68, Cl. D83—8.

Kay, Frank M. Holder for hamburgers or the like. 211,043, 5–14–68, Cl. D44—10.

Kay, W., Co., Inc.: *See*—
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Kaysam Corp. of America: *See*—
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Kaz Mfg. Co., Inc.: *See*—
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Keane, Robert S., to International Research Corp. High-pressure, electrically actuated, fluid valve. 210,525, 3–19–68, Cl. D23—19.

Keane, Thomas J.: *See*—
Neubrech, David A., Cattaro, and Keane. 211,058.

Kearney-National, Inc.: *See*—
Snodgrass, Charles D. 212,759.

Kearney, Patrick. Liquor pourer. 210,565, 3–19–68, Cl. D94—3.

Keats, John B., to Borg-Warner Corp. Reflecting traffic guide or similar article. 210,329, 2–27–68, Cl. D72—1.

Keats, John B., and R. G. Royer, to Borg-Warner Corp. Reflecting traffic guide or similar article. 210,175, 2–13–68, Cl. D72—1.

Keeler Brass Co.: *See*—
Watt, William D., Jr. 210,801.
Watt, William D., Jr. 210,802.

Keenan, Richard M., to General Electric Co. Portable radio. 212,716. 11–12–68, Cl. D56—4.

Keller, Clarence C., Jr., to Holophane Co., Inc. Luminaire lens. 212,442, 10–15–68, Cl. D48—16.

Kelley, David L., to Du-Fold, Inc. Utility cart. 211,981, 8–20–68, Cl. D14—3.

Kelley, William E., and R. W. Ott, Jr., to Aquarium Systems, Inc. Filter for aquariums and the like. 210,122, 2–13–68, Cl. D23—4.

Kellogg Co.: *See*—
Slaybaugh, Lyle. 213,034.

Kellwood Co.: *See*—
Bales, David W. 211,217.

Kelly, Burton: *See*—
Guth, Gordon T., and Kelly. 210,928.

Kelly, Burton, to Sunbeam Corp. Control for an electric blanket. 212,228, 9–17–68, Cl. D26—13.

Kelly, Gordon D.: *See*—
Kaufman, Vernon R., Kelly, and Munson. 211,595.

Kelly, Gordon D., and J. J. Wickler, to Jacobsen Mfg. Co. Lawn mower tractor. 210,966, 5–7–68, Cl. D40—1.

Kelly, John M., to The Sinclair Mfg. Co. Bottle or the like. 211,926, 8–13–68, Cl. D9—32.

Kelly, Norman A., to Haskon, Inc. Jug handle. 209,926, 1–16–68, Cl. D58—5.

Kelly, Norman A., to Haskon, Inc. Plastic jug. 210,569, 3–26–68, Cl. D9—53.

Kelly, Norman A., to Haskon, Inc. Combined jug and handle dispenser. 212,350, 10–8–68, Cl. D9—52.

Kelly, Roger L.: *See*—
D'Ercoli, Giacinto C., and Kelly. 211,895.
D'Ercoli, Giacinto C., Kelly, Danz, and Szalek. 210,548.

Kelso, James W. Control panel for a tape cartridge unit. 211,735, 7–23–68, Cl. D26—14.

Kemenczky, Miklos, to P. Guilden. Christmas tree ornament. 212,365, 10–8–68, Cl. D29—1.

Kemp, Paul G. Bottle. 210,252, 2–20–68, Cl. D58—8.

Kempf, Dean R. Orange peeler. 212,998, 12–17–68, Cl. D89—1.

Kennedy, Donald J. Combination kite control stick and winder. 210,142, 2–13–68, Cl. D41—1.

Kennedy, Donald J. Kite. 212,017, 8–20–68, Cl. D34—15.

Kennedy, Robert W., and W. H. Appel, to Westinghouse Electric Corp. Refrigerator-freezer cabinet. 210,560, 3–19–68, Cl. D67—3.

Kenner Products Co.: *See*—
Bernard, Terry L. 212,390.
Utrecht, Karl A. 212,373.

Kermes, Constantine J., to Sperry Rand Corp. Agricultural windrowing machine. 212,545, 10–29–68, Cl. D40—1.

Kernohan, Thomas D.: *See*—
Rickel, Edgar J., and Kernohan. 211,569.

Kerut, Walter, to Lily-Tulip Cup Corp. Packaging container for food products or the like. 211,626, 7–9–68, Cl. D9—220.

Kerwin, Richard C., to Jos. F. Lamb Co., Inc. Control console for an automated machine tool line. 210,284, 2–27–68, Cl. D26—5.

Kesh, Seroun. Textile fabric. 212,730, 11–12–68, Cl. D92—1.

Kessler, Calvin K., to Kessler Industries, Inc. Bed headboard, or similar article. 210,763, 4–16–68, Cl. D5—4.

Kessler, Calvin K., to Kessler Industries, Inc. Bed headboard, or similar article. 210,764, 4–16–68, Cl. D5—4.

Kessler, Calvin K., to Kessler Industries, Inc. Bed headboard, or similar article. 210,765, 4–16–68, Cl. D5—4.

Kessler Industries, Inc.: *See*—
Kessler, Calvin K. 210,763.
Kessler, Calvin K. 210,764.
Kessler, Calvin K. 210,765.

Kessler, William H., to Meathe, Kessler and Associates, Inc. Parking sprocket for travel trailers. 210,358, 3–5–68, Cl. D13—1.

Ketcham, Charles B., to Corning Class Works. Cup or the like, 212,110, 8–27–68, Cl. D44—9.

Ketcham & McDougall, Inc.: *See*—
McFadyen, Richard. 213,048.
Ketchum, Milo S.: *See*—
Biggs, Dutton, Ketchum, and Carlson. 210,769.
Kettman, Louis. Settee. 211,336, 6–11–68, Cl. D15—11.
Keurst, William T. Cover for a pick-up truck bed. 212,744, 11–19–68, Cl. D14—27.
Keystone Mfg. Corp.: *See*—
Salvo, Thomas R. 212,051.
Khambaty, Abdullah A.: *See*—
Johnson, Herbert, Khambaty, and Rudolph. 211,206.
Khan, Aman U., to Whirlpool Corp. Combination storage cabinet and sink for laundry or the like. 211,344, 6–11–68, Cl. D23—59.
Khazzam, Joseph N. Baseball glove, or similar article. 211,848, 8–6–68, Cl. D2—361.
Kieffer, Daniel J., to Ball Brothers Co. Inc. Bottle. 211,510, 6–25–68, Cl. D9—100.
Kiernan, Thomas H. Collection receptacle for emptying motor vehicle ash trays. 209,983, 1–23–68, Cl. D49—30.
Kigoshi, Yutaka, to Pioneer Kabushiki Kaisha (also trading as Pioneer Electronic Corp.). Magnetic tape play-back unit. 210,290, 2–27–68, Cl. D26—14.
Kikkoman Shoyu Co., Ltd.: *See*—
Abe, Yoshio. 210,067.
Kilbourn, Eugene L., to Progressive Dynamics, Inc. Pressure pump. 210,317, 2–27–68, Cl. D52—6.
Kilbourn, Eugene L., and J. M. Barker, to H & H Engineering Division, Barker Mfg. Co. Galley pump. 209,936, 1–16–68, Cl. D65—1.
Kilper, Dennis J. Chair. 211,983, 8–20–68, Cl. D15—1.
Kim Lighting & Mfg. Co., Inc.: *See*—
Eppard, William T. 210,095.
Kimball, Howard M. Powered caster for trailers and the like. 212,800, 11–26–68, Cl. D14—3.
Kimbell, William P., to Wilkinson Sword Ltd. Garden trowel. 213,014, 12–24–68, Cl. D35—2.
Kimbell, William P., to Wilkinson Sword Ltd. Garden trowel. 213,015, 12–24–68, Cl. D35—2.
Kimler, Gene M., and S. P. Edwards. Refrigerated display stand. 212,399, 10–8–68, Cl. D80—11.
Kimmel, Doyle D. Loud-speaker. 209,835, 1–9–68, Cl. D26—14.
Kimmel, Irvine, to Endure-A-Lifetime Products, Inc. Door stop. 210,933, 5–7–68, Cl. D10—7.
Kincaid, Harry R., to International Research and Development Corp. Fan balancing stand. 209,854, 1–9–68, Cl. D52—6.
Kindelan, Stephen E. Game board. 211,102, 5–21–68, Cl. D34—5.
King, Michael, to Mother's Cookie Co. Display box. 210,068, 2–6–68, Cl. D9—224.
King, William L., to L. W. James. Centrifugal pump. 209,876, 1–9–68, Cl. D65—1.
Kingsford, Thaddeus I. Combined squeeze bottle and dispensing closure. 211,709, 7–23–68, Cl. D9—2.
Kingsley, Eleanor V. Cover for a litter receptacle. 212,502, 10–22–68, Cl. D49—35.
Kinkaid, Robert J., to AMP Inc. Electrical connector. 212,754, 11–19–68, Cl. D26—1.
Kinkead Industries Inc.: *See*—
Brenner, Roy L. 211,992.
Kinsman, John W. Portable diving board. 211,784, 7–30–68, Cl. D13—1.
Kipp, Richard M. Pencil sharpener. 212,789, 11–19–68, Cl. D74—23.
Kircher, John G. Kite string winder, 210,088, 2–6–68, Cl. D41—1.
Kircher, John G. Kite string winder. 212,336, 10–1–68, Cl. D41—1.
Kirk, Albert S., to Southco Inc. Handle. 211,324, 6–11–68, Cl. D10—8.
Kissner, Lawrence M., and R. Claybin. Barbecue chicken holder. 212,837, 11–26–68, Cl. D81—10.
Kitts, Keith D., to Admiral Corp. Clock radio. 212,375, 10–8–68, Cl. D42—7.
Klamer, Reuben B. Doll. 210,672, 4–2–68, Cl. D34—4.
Klamer, Reuben B. Toy figure. 212,013, 8–20–68, Cl. D34—2.
Klamer, Reuben B. Toy figure. 212,014, 8–20–68, Cl. D34—2.
Klamer, Reuben B. Toy figure. 212,015, 8–20–68, Cl. D34—2.
Klamer, Reuben B. Doll. 212,370, 10–8–68, Cl. D34—4.
Klamer, Reuben B. Doll. 212,371, 10–8–68, Cl. D34—4.
Klamer, Reuben B. Doll. 212,428, 10–15–68, Cl. D34—4.
Klamer, Reuben B. Doll. 212,429, 10–15–68, Cl. D34—4.
Klamer, Reuben B. Doll. 212,430, 10–15–68, Cl. D34—4.
Klamer, Reuben B. Doll. 212,431, 10–15–68, Cl. D34—4.
Klamer, Reuben B. Doll. 212,432, 10–15–68, Cl. D34—4.
Klamer, Reuben B. Doll. 212,433, 10–15–68, Cl. D34—4.
Klapmeier, James E. Cleated track for snow vehicles. 210,938, 5–7–68, Cl. D14—24.
Klaus, Samuel. Necktie. 211,445, 6–18–68, Cl. D2—351.
Klavins, Laimons. Service station. 209,955, 1–23–68, Cl. D13—1.
Klayman, Saul, to Kandy-Pak, Inc. Combined flower holder and candy support. 212,167, 9–3–68, Cl. D44—10.
Klayman, Saul, to Kandy-Pak, Inc. Combined floral display trellis and sign holder. 212,920, 12–10–68, Cl. D80—9.
Klebe, Erich O. Automobile. 211,238, 6–11–68, Cl. D14—3.
Kleemeier, Robert H., and R. O. Zemke, to Minnesota Mining and Mfg. Co. Surface treating machine drive block. 213,016, 12–24–68, Cl. D37—3.
Klein, A., & Co. Inc.: *See*—
Ehrenfeld, Joseph. 212,673.
Ehrenfeld, Joseph. 212,674.
Ehrenfeld, Joseph. 212,675.
Ehrenfeld, Joseph. 212,676.
Ehrenfeld, Joseph. 212,677.
Klein, Conrad J.: *See*—
Lambertson, Theodore C. 212,176.
Klein, Jules J., to Hydroglas Industries, Inc. Miniature motor boat. 212,175, 9–3–68, Cl. D71—1.
Klein, Mahlon A. Stove for galleys and the like. 211,704. 7–16–68. Cl. D81—25.
Kleinberg, Lawrence, and H. Greenberg, to Avnet, Inc. Antenna for television and the like. 209,968, 1–23–68, Cl. D26—14.
Kleinberg, Lawrence, and H. Greenberg, to Channel Master Corp. Antenna for television and the like. 210,025, 1–30–68, Cl. D26—14.
Klimko, Joseph. Stilt. 212,022, 8–20–68, Cl. D34—14.
Klingberg, Arthur F. Lawn ornament. 213,013, 12–24–68, Cl. D35—1.
Klingenberg, Hans-Ulrich, to Vacuum Chronometer Corp. Watch hand or similar article. 210,546, 3–19–68, Cl. D42—1.
Klitzner, William S. Combined golf divot repairer, cleat tightener and cleaner. 209,973, 1–23–68, Cl. D34—5.
Klosterman, J. E., Co.: *See*—
Klosterman, James E. 212,922.
Klosterman, James E., ½ to J. E. Klosterman Co., and ½ to Tru-Foto, Inc. 212,922, 12–10–68, D87—3.
Knapp, Ralph R., to Burger Farms of America, Inc. Building. 210,820, 4–23–68, Cl. D13—1.
Knapp, Ralph R., to Farmer's Daughter, Inc. Building structure. 212,936, 12–17–68, Cl. D13—1.
Kneale, Collan B., to International Business Machines Corp. Data transmission terminal. 210,461, 3–12–68, Cl. D26—5.
Kneale, Collan B., R. B. Wheeler, and F. Wilkey, Jr., to International Business Machines Corp. Combined card reader and data display apparatus. 211,176, 5–28–68, Cl. D26—5.
Kneapler, Stephen J., to Richford Corp. Bottle. 211,006, 5–14–68, Cl. D9—143.
Kneapler, Stephen J., to Richford Corp. Bottle. 212,525, 10–29–68. Cl. D9—135.
Knies, Robert H.: *See*—
Skolnik, Jack, and Knies. 210,865.
Knodt, Ruediger W.: *See*—
Balbach, Sara L., and Knodt. 211,045.
Knoll Associates, Inc.: *See*—
Platner, Warren. 211,462.
Platner, Warren. 211,463.
Platner, Warren. 211,464.
Platner, Warren. 211,465.
Schultz, Moses R. 211,334.
Schultz, Moses R. 211,337.
Schultz, Moses R. 211,338.
Knowles, Arthur N., to London Winery Ltd. Bottle. 211,155, 5–28–68, Cl. D9—109.
Knowles, Kenneth F. Magnifying lens badge holder. 212,808, 11–26–68, Cl. D29—2.
Kober, Karl E.: *See*—
Plantholt, Robert G., and Kober. 210,558.
Kocens, Georges. Container insert for a cosmetic package. 210,563, 3–19–68, Cl. D86—10.
Koch, Peter J., to Dustbane Enterprises Ltd. Partitioned mop bucket. 212,831, 11–26–68, Cl. D49—29.
Kocher, Alfred Lawrence, and E. A. Wiedemann. Building block. 210,876, 4–30–68, Cl. D18—2.
Koenigsberg, Victor, to Colgate-Palmolive Co. Jar or similar article. 209,785, 1–2–68, Cl. D58—25.
Koenigsberg, Victor, to Colgate-Palmolive Co. Bar of soap or similar article. 210,432, 3–5–68, Cl. D73—1.
Koenigsberg, Victor. Bottle or similar article. 212,322, 10–1–68. Cl. D9—169.
Koepf, Rudolph H.: *See*—
Brown, Edward L., Koepf, Noel, and Wood. 209,964.
Koffler, Sol: *See*—
Gehrle, Charles S., and Koffler. 210,185.
Kohler Co.: *See*—
Doman, Donald W. 211,876.
Doman, Donald W. 211,877.
Doman, Donald W. 212,418.
Kohls, James P., to Jervis B. Webb Co. Service vehicle. 209,741, 1–2–68, Cl. D14—3.
Kohner Bros., Inc.: *See*—
Kohner, Frank, D'Ella, and Stolarz. 209,767.
Kohner, Frank, and Stubbmann. 211,530.
Stubbmann, Albert. 209,766.
Stubbmann, Albert. 212,241.
Kohner, Frank, A. N. D'Ella, and E. M. Stolarz, to Kohner Bros., Inc. Child's multiple element pop-up toy. 209,767, 1–2–68, Cl. D34—15.
Kohner, Frank, and A. Stubbmann, to Kohner Bros., Inc. Projectile launcher for a game. 211,530, 6–25–68. Cl. D34—15.
Kolbeck, Charles H. Contact lens case. 212,649, 11–5–68, Cl. D57—1.
Kollisch AG Gebruder: *See*—
Banninger, Max W. 211,822.
Kolowski, Michael A., and L. R. McKissick, to The Goodyear Tire & Rubber Co. Tire. 211,070, 5–14–68, Cl. D90—20.

Komata, Eizo, and H. Shimazaki, to Kanda Tsushin Kogyo Kabushiki Kaisha. Walkie-talkie. 210,773, 4–16–68, Cl. D26—14.

Konkel, Joseph: *See*—
Bennett, Lewis W., Eckert, and Konkel. 209,875.
Bennett, Lewis W., Eckert, Konkel, and Sweeney. 210,985.

Konsuvo, Nicholas P.: *See*—
Simmons, Helena F. 210,184.

Kooch, George, to Scriptomatic, Inc. Duplicating machine. 210,108, 2–6–68, Cl. D64—11.

Kopf, John C., to Andrea Radio Corp. Combined radio, phonograph and television cabinet or similar article. 211,965, 8–13–68, Cl. D56—4.

Kopp, Harold W., to Halko, Inc. Football blocking dummy or similar article. 210,787, 4–16–68, Cl. D34—5.

Koppers Co., Inc.: *See*—
Rhude, Maurice J. 210,485.
Rhude, Maurice J. 210,665.

Korman, Marvin, to Berkey Photo, Inc. Combined vacuum table and flash exposure panel for use with a direct screen system. 211,885, 8–6–68, Cl. D33—14.

Korol, B., F. Slavner, and C. R. Johnson, said Johnson, assor. to said Koral and Slavner. Toothpaste dispenser. 212,427, 10–15–68, Cl. D33—30.

Korol, Stanley F., to Hedstrom Union Co. Combined carriage and infant seat. 212,325, 10–1–68, Cl. D14—14.

Koroncai, Adam, to Carinthia Elektrogerate Gesellschaft m.b.H. Dry shaver casing. 211,553, 6–25–68, Cl. D95—3.

Koroncai, Adam, to Carinthia Elektrogerate Gesellschaft m.b.H. Dry shaver casing. 211,554, 6–25–68, Cl. D95—3.

Kosugi, Jiro, to Kabushiki Kaisha Kumahira Seisakusho. Vault door. 209,795, 1–2–68, Cl. D69—1.

Koukal, Louis J. Dispensing closure for a bottle or the like. 212,464, 10–22–68, Cl. D9—277.

Kowalewski, John J.: *See*—
Bowers, John H., Jr., Kowalewski, and Moughty. 209,810.

Koyo Kikai Kogyo Kabushiki Kaisha: *See*—
Ueda, Takaaki. 211,425.

Koziol, Walter, to Charmglow Mfg. Co. Lamp. 210,151, 2–13–68, Cl. D48—31.

Koziol, Walter, to Charmglow Mfg. Co. Door knocker. 210,575, 3–26–68, Cl. D10—7.

Koziol, Walter, to Charmglow Mfg. Co. Door knocker. 210,576, 3–26–68, Cl. D10—7.

Koziol, Walter, to Charmglow Mfg. Co. Rotatable skewer. 211,618, 7–2–68, Cl. D81—10.

Kraines, Maurice H. Portable vacuum cleaner. 212,829, 11–26–68, Cl. D49—13.

Krantz, John D., to Coastal Dynamics Corp. Mobile dental instrument unit. 212,156, 9–3–68, Cl. D24—1.

Kraus, Alex, to California Custom Accessories Mfg. Co. Air scoop. 212,877, 12–10–68, Cl. D14—6.

Kraus, Kenneth D. Key case. 210,645, 3–26–68, Cl. D87—3.

Kraus, Walter F.: *See*—
Cottier, Seton, Kraus, and Wittner. 211,578.

Kreb, Wellington D.: *See*—
Higgins, Charles T., and Kreb. 210,087.

Kregzdys, Joseph: *See*—
Christie, Theodore, and Kregzdys. 210,455.
Cropper, Walter V., Kregzdys, and Le Blanc. 210,327.

Kreider, Georgia. Combined cleaning equipment cart and step stool. 211,165, 5–28–68, Cl. D14—3.

Kreidich, John, to The Hedman Co. Casing for a stenographic machine. 212,653, 11–5–68, Cl. D64—11.

Kreisler, Jacques, Mfg. Corp.: *See*—
Arnone, Michael P. 211,204.

Kreps, Thomas J., to General Electric Co. Jacketed discharge lamp. 212,618, 11–5–68, Cl. D26—8.

Kress, George H.: *See*—
Dean, Harold L., Kress, Pearson, and Sweeney. 210,534.

Kress, George H., to Amerace Corp. Elliptical comb. 212,657, 11–5–68, Cl. D86—8.

Kress, George H., to Amerace Corp. Hair comb or similar article. 212,658, 11–5–68, Cl. D86—8.

Kress, George H., to Amerace Corp. Comb with handle. 212,659, 11–5–68, Cl. D86—8.

Kress, George H., to Amerace Corp. Hair comb or similar article. 212,660, 11–5–68, Cl. D86—8.

Kretschmer, Horst J., and W. V. Judson, to General Electric Co. Clock or similar article. 212,337, 10–1–68, Cl. D42—7.

Kriegel, Louis, to Joy Plastics, Inc. Combined display and storage tray for cutlery or the like. 211,899, 8–6–68, Cl. D44—29.

Krolik, Paul P., and T. H. Perlman. Machine for cleaning dentures or the like. 211,902, 8–6–68, Cl. D49—1.

Kroll, Lawrence. Automobile load cover for pickup trucks. 212,469, 10–22–68, Cl. D14—27.

Krone Kommanditgesellschaft: *See*—
Abraham. Ernst. 211,998.

Kronefeld, Herbert, and H. Mertz. Adjustable roof for camping vehicles. 212,468, 10–22–68, Cl. D14—27.

Kroninger, Luther H., Jr., and D. R. Straka, to Mead Johnson & Co. Vitamin tablet or similar article. 210,365, 3–5–68, Cl. D16—3.

Kroninger, Luther H., Jr., and D. R. Straka, to Mead Johnson & Co. Vitamin tablet or similar article. 210,366, 3–5–68, Cl. D16—3.

Kroninger, Luther H., Jr., and D. R. Straka, to Mead Johnson & Co. Vitamin tablet or similar article. 210,367, 3–5–68, Cl. D16—3.

Kroninger, Luther H., Jr., and D. R. Straka, to Mead Johnson & Co. Vitamin tablet or similar article. 210,368, 3–5–68, Cl. D16—3.

Kroninger, Luther H., Jr., and D. R. Straka, to Mead Johnson & Co. Vitamin tablet or similar article. 210,369, 3–5–68, Cl. D16—3.

Kroninger, Luther H., Jr., and D. R. Straka, to Mead Johnson & Co. Vitamin tablet or similar article. 210,370, 3–5–68, Cl. D16—3.

Kroninger, Luther H., Jr., and D. R. Straka, to Mead Johnson & Co. Vitamin tablet or similar article. 210,371, 3–5–68, Cl. D16—3.

Krueger, Alfred P., to Minnesota Mining and Mfg. Co. Tape dispenser. 211,762, 7–23–68, Cl. D74—1.

Kubnick, Norman R., to Bell & Howell Co. Magnetic tape recorder. 211,474, 6–18–68, Cl. D26—14.

Kuchenreuther, Ronald B.: *See*—
McCormick, Robert E., Kuchenreuther, and Miller. 212,787.

Kuharsky, Thomas, Jr., to Bausch & Lomb Inc. Fixed telescope sight mount for firearms. 212,690, 11–12–68, Cl. D22—7.

Kujansuu, Sakari. Sauna heating unit. 212,419, 10–15–68, Cl. D23—84.

Kunkel, Edward J., to International Corporate Services. Door knocker. 211,159, 5–28–68, Cl. D10—7.

Kupperman, Sam, and W. McMillan, to R B Toy Development Co. Combined shoe horn and horn. 209,941, 1–16–68, Cl. D86—10.

Kurash, Eugene, to Electric Utilities Corp. Portable building. 210,652, 4–2–68, Cl. D13—1.

Kurek, Edwin J., and P. Painter, to Jenn-Air Corp. Fan orifice enclosure. 211,577, 7–2–68, Cl. D23—155.

Kurleman, Charles B. Bowling shoe or similar article. 209,734, 1–2–68, Cl. D2—309.

Kuroda, Yuriko, to Kabushi Kaisha Kobayashi Kose. Bottle. 210,867, 4–30–68, Cl. D9—154.

Kurosu, Teisuke, to Matsushita Electric Industrial Co., Ltd. Cartridge type tape reproducer. 210,880, 4–23–68, Cl. D26—14.

Kurpis, William J. Handle for an orthopedic cane. 209,943, 1–16–68, Cl. D88—4.

Kusan, Inc.: *See*—
Dunbar, George W. 211,652.

Kuschewski, Gus: *See*—
Rogers, Meyric K., and Kuschewski. 212,830

Kusel, Edward J., and R. S. Mankin. Railing. 210,519. 3–19–68, Cl. D13—7.

Kustermann, Gerhard, to Lever Bros. Co. Bottle or the like. 211,316, 6–11–68, Cl. D9—19.

Kutz, Aaron I., to Fluidlogics Corp. Fluidics test stand. 209,776, 1–2–68, Cl. D52—6.

Kutz, Lorenz H. Hand pulled shovel. 213,060, 12–31–68, Cl. D39—1.

Kuypers, Norbert T., to Difco Laboratories, Inc. Container for a reagent disc dispenser. 212,736, 11–19–68, Cl. D9—218.

Kyburz, Rene, and A. R. Jaccard, to Jaccard Corp. Meat tenderizing device or similar article. 213,042, 12–31–68, Cl. D11—1.

Kyowa Rubber Industry Co., Ltd.: *See*—
Ueno, Yukio. 211,148.

LaBerne Mfg. Co., Inc.: *See*—
Berne, William E. 211,831.

Lab-Line Instruments, Inc.: *See*—
Newman, Alexander I. 212,493.

Lacoste, Jean P., to Girard, Bruce, Garabedian et Associes, Ltee. Jar-type container. 212,413, 10–15–68, Cl. D9—223.

La Cresta Mfg. Co.: *See*—
Glenn, Kenneth, McKay, and McCarthy. 212,967.

Lademann, Leonard L. Chaplet. 211,539, 6–25–68, Cl. D45—16.

La Fata, John M., to Karem Bros., Inc. Multiple family dwelling. 212,937, 12–17–68, Cl. D13—1.

Lahti, Aleksis, and S. J. Molitoris, to American Safety Equipment Corporation of Michigan. Mounting bracket for motorcycle saddlebags. 210,508, 3–12–68, Cl. D90—3.

Lahti, Uolevi L. Loudspeaker. 210,538, 3–19–68, Cl. D26—14.

Laing, Graham S., and W. N. Willis, to Northern Electric Co., Ltd. Telephone dial. 211,094, 5–21–68, Cl. D26—14.

Lakin, Willis M., to Marlin Toy Products, Inc. Trundle toy. 211,377, 6–11–68, Cl. D34—15.

La Londe, Carl H., to The Youngstown Sheet and Tube Co. Extruded protective closure strip for a slotted channel element. 211,082, 5–21–68, Cl. D13—1.

Lamb, Jos F., Co., Inc.: *See*—
Kerwin, Richard C. 210,284.

Lambert, Joseph E.: *See*—
Campbell, Michael, and Lambert. 212,064.

Lambertson, Theodore C., to R. E. Church, C. J. Klein, and Commonwealth National Bank of San Francisco. Combined food service and refrigerated cabinet. 212,176, 9–3–68, Cl. D80—2.

La Montagne, Charles S. Illuminable window decoration. 210,383, 3–5–68, Cl. D29—1.

Lampe, Robert C.: *See*—
Johanson, Ralph A. W., Lampe, and Le Baigue. 211,841.

Lanagan, John B., T. D. Robinson, and A. J. Leikarts, to Standard Change-Makers, Inc. Cart. 209,740, 1–2–68, Cl. D14—3.

Lanagan, John B., T. D. Robinson, and A. J. Leikarts, to Standard Change-Makers, Inc. Cart. 209,819, 1–9–68, Cl. D14—3.

Land of Nod Co., The: *See*—
Olson, Harry B. 210,712.

Landell, Harper, and T. C. Abrahamsen, to Speakman Co. Plastic faucet handle. 209,804. 1–2–68, Cl. D91—3.

Lane Co. Inc., The: *See*—
Thorn, John B., and Bus. 210,031.
Thorn, John B., and Bus. 210,224.
Thorn, John B., and Bus. 210,225.
Thorn, John B., and Bus. 210,466.
Tisdall, Thomas W., and Brown. 209,839.

Lane, Curtis, and K. Glenby, to Lanex Importing Co. Dispensing machine. 213,070, 12–31–68, Cl. D52—3.

Lane, Thomas, to The Muter Co. Loudspeaker cabinet, 210,382, 3–5–68, Cl. D26—14.

Lane, Victor E. Bathroom holder for a spray can or the like. 212,426, 10–15–68, Cl. D33—21.

Lanex Importing Co.: *See*—
Lane, Curtis, and Glenby. 213,070.

Laney, James R., Jr. Canister drawer. 209,770, 1–2–68, Cl. D44—6.

Lang, Robert J. Vertical take-off aircraft. 210,754, 4–9–68, Cl. D71—1.

Lang, Robert J. Submersible water craft. 210,755, 4–9–68, Cl. D71—1.

Lang, Vincent F., E. Emison, and E. F. Schramm. Camera carrying case. 210,058, 1–30–68, Cl. D87—5.

Langsam, Paul. Cake covering. 209,790, 1–2–68, Cl. D59—2.

Langsam, Paul. Cake covering. 211,289, 6–4–68, Cl. D59—2.

Lanigan, Richard W., to General Aniline & Film Corp. Collapsible rear projection viewer accessory for a slide projector or similar article. 213,078, 12–31–68, Cl. D61—1.

Lankford, William A., and W. H. Gilliland, to USCO Power Equipment Corp. Electrical insulator or similar article. 211,351, 6–11–68, Cl. D26—10.

Lansford, Horace M. Planter. 210,302, 2–27–68, Cl. D35—3.

Larkin, Daniel C., to The Crest Mfg. Co. Stereo tape container. 212,316, 9–24–68, Cl. D87—5.

La Rocca, Anthony A. and S. L. Combined desk locker and bunk bed unit. 211,852, 8–6–68, Cl. D5—4.

La Rocca, Shirley L.: *See*—
La Rocca, Anthony A. and S. L. 221,852.

Larrison, John E.: *See*—
Gilson, Channing W., and Larrison. 211 525.

Lasko, George A. Boathook. 211,971, 8–13–68, Cl. D71—1.

Lasseroni, Edward J., to J. I. Case Co. Tractor body. 210,655, 4–2–68, Cl. D14—3.

Lasseroni, Edward J., to J. I. Case Co. Tractor cab. 210,658, 4–2–68, Cl. D14—27.

Latham, John W., to Wilkinson Sword Ltd. Knife. 210,440, 3–5–68, Cl. D95—3.

Lathers, Michael W., to General Motors Corp. Vehicle instrument panel. 209,957. 1–23–68, Cl. D14—6.

Latimer, James E. Display sign. 212,665, 11–5–68, Cl. D96—12.

Lauffer, H. E., Co.: *See*—
Wallance, Donald A. 210,318.
Wallance, Donald A. 210,319.
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Laughlin, Clayton A., to Minnesota Plastics Corp. Jug. 210,513, 3–19–68, Cl. D9—41.

Laurini, Zane P., to Frank Holister Co., Inc. Drape anchor for prestressed concrete. 210,042, 1–30–68, Cl. D51—1.

Laurini, Zane P., to Frank Holister Co., Inc. Roller drape anchor for prestressed concrete. 210,043, 1–30–68, Cl. D51—1.

Lauterback, Walter J. Fin for water skis and the like. 211,500, 6–18–68, Cl. D71—1.

Lavers, Lester H., and I. R. Nielsen. Textile fabric. 211,149, 5–21–68, Cl. D92—1.

Lavin, John H.: *See*—
Caminker, Bernard, Andrews, Lavin, and Robberson. 211,518.

La Violette, Paul A., Jr.: *See*—
Crouch, Alfred H., La Violette, and Marino. 212,220.

Lawlor, John K. Electric highway signal flare. 210,857, 4–23–68, Cl. D72—1.

Lawson, F. H., Co., The: *See*—
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Lay, Clarence M., to Gibson Greeting Cards, Inc. Package with transparent top. 210,355, 3–5–68, Cl. D9—192.

Laybourne, Sydney C. Writing instrument. 212,981, 12–17–68, Cl. D74—17.

Laylon, Harry L., to Sunbeam Corp. Clock. 210,547, 3–19–68, Cl. D42—7.

Laylon, Harry L., to Sunbeam Corp. Clock. 211,200, 5–28–68, Cl. D42—7.

Laylon, Harry L., to Sunbeam Corp. Clock. 211,270, 6–4–68, Cl. D42—7.

Laylon, Harry L., to Sunbeam Corp. Clock. 212,248, 9–17–68, Cl. D42—7.

Laylon, Harry L., and W. V. Judson, to General Electric Co. Clock or similar article. 210,091, 2–6–68, Cl. D42—7.

Laylon, Harry L., and W. V. Judson, to General Electric Co. Clock or similar article. 210,092, 2–6–68, Cl. D42—7.

Laylon, Harry L., and W. V. Judson, to General Electric Co. Clock or similar article. 210,473, 3–12–68, Cl. D42—7.

Layton, Christopher C., to Filper Corp. Path light. 211,277, 6–4–68, Cl. D48—31.

Layton, Christopher C., to Filper Corp. Luminaire. 211,279, 6–4–68, Cl. D48—31.

La Zar, Ralph M.: *See*—
Herbst, Walter B., and La Zar. 210,968.
Herbst, Walter B., and La Zar. 212,247.
Herbst, Walter B., and La Zar. 212,249.

La Zar, Ralph M., and W. B. Herbst, to Sunbeam Corp. Electric pencil sharpener. 211,297, 6–4–68, Cl. D74—23.

Lea, Melvin A., to Oneida Ltd. Spoon or similar article. 210,911, 4–30–68, Cl. D54—12.

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Leader, Victor. 213,062.

Leader, Victor, to Leader Farms, Inc. Riding mower grass catching bag. 213,062, 12–31–68, Cl. D40—1.

Lear Siegler, Inc.: *See*—
Miller, Robert L. 210,756.

Leath, William S., to EBSCO Industries, Inc. Merchandise display stand. 210,334, 2–27–68, Cl. D80—9.

Leath, William S., to EBSCO Industries, Inc. Display stand for candy or the like. 211,616, 7–2–68, Cl. D80—9.

Leather Specialty Co., The: *See*—
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LeBlanc, Conrad L., and J. Bloch, to Foster Grant Co., Inc. Display panel for sunglasses or the like. 211,067, 5–14–68, Cl. D80—9.

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Lee, Donald. Floor polisher head. 212,488, 10–22–68, Cl. D37—3.

Lee, Patrick L. S. Photographic processing unit. 210,983, 5–7–68, Cl. D61—1.

Lee, Richard E., and F. M. Grunwald, to General Electric Co. Portable television receiver. 210,913, 4–30–68, Cl. D56—4.

Lee, Yuk W., to Bose Corp. Speaker enclosure. 211,581, 7–2–68, Cl. D26—14.

Lehmann, Ernst Paul, Patentwerk: *See*—
Richter, Wolfgang. 210,037.

Lehrhaupt, Maxwell, and D. Bieber. Glass chiller. 211,384, 6–11–68, Cl. D44—29.

Leighton, Joseph T. Gas burner. 210,641, 3–26–68, Cl. D81—10.

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Lanagan, John B., Robinson, and Leikarts. 209,819.

Lelek, Thaddeus A., to Breeze Corporations, Inc. Cargo hook. 209,917, 1–16–68, Cl. D54—11.

Leman, Donald E., to Ampex Corp. Television camera. 212,650, 11–5–68, Cl. D61—1.

Leman, Eugene R. P., to Internation Video Corp. Magnetic tape recorder deck. 211,646, 7–9–68, Cl. D26—14.

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Leong, Henry, and P. A. Witte, to Scovill Mfg. Co. Electric scissors. 212,147, 8–27–68, Cl. D95—5.

Leopolidi, Norbert. Cuticle clipper. 210,505, 3–12–68, Cl. D86—10.

Leotta, Samuel S., to Ohaus Scale Corp. Beam balance weighing scale. 212,907, 12–10–68, Cl. D52—10.

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Leven, Mory, to Vap-O-Vac Systems, Inc. Presser head unit for use with a steam removal attachment. 209,772, 1–2–68, Cl. D49—1.

Lever Bros. Co.: *See*—
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Leverenz, Kenneth R., and G. H. Stafford, said Leverenz, assor. to Stafford. Cordless muscle stimulator. 211,840, 7–30–68, Cl. D83—1.

Levin, Monte. Handle for a household appliance or similar article. 209,851, 1–9–68, Cl. D44—29.

Levin, Monte, to Empire Brushes, Inc. Hairbrush back or similar article. 210,348, 3–5–68, Cl. D4—31.

Levin, Monte L., to General Time Corp. Clock casing. 210,679, 4–2–68, Cl. D42—7.

Levin, Monte L., to General Time Corp. Clock casing. 211,111, 5–21–68, Cl. D42—7.

Levin, Monte L., to Aquariums Inc. Aquarium air pump. 211,913, 8–6–68, Cl. D65—1.

Levin, Monte L., to General Time Corp. Clock casing. 212,026, 8–20–68, Cl. D42—7.

Levin, Monte L., to General Time Corp. Clock casing. 212,637, 11–5–68, Cl. D42—7.

Levin, Myron M. Baking pan. 210,309, 2-27-68, Cl. D44—1.
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Levitan, Bernard. Grocery bag packer. 210,258, 2-20-68, Cl. D80—1.
Levitt, Boris B., to W. Kay Co., Inc. Lamp. 212,775, 11-19-68, Cl. D48—20.
Levy, Benjamin, to United Metal Goods Mfg., Inc. Clock. 210,235, 2-20-68, Cl. D42—7.
Lewis, Ernest E., to Gainesville Machine Co., Inc. Diaphragm pump. 212,132, 8-27-68, Cl. D65—1.
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Lewis, Julian B. Percussion musical instrument. 212,172, 9-3-68, Cl. D56—1.
Libhart, Anthony C., to The Colson Corp. Caster brake. 210,932, 5-7-68, Cl. D10—6.
Lieberman, Jerome J. and L. D. Illuminable display apparatus for transparencies or similar article. 211,910, 8-6-68, Cl. D61—1.
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Limbach, Anthony P., to Mobil Oil Corp. Merchandising container or the like. 210,194, 2-20-68, Cl. D9—225.
Limbach, Anthony P., to Mobil Oil Corp. Merchandising container or the like. 210,195, 2-20-68, Cl. D9—225.
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Linn, James L., Jr., to Owens-Illinois, Inc. Combined bottle and cap therefor. 210,250, 2-20-68, Cl. D58—6.
Linn, James L., Jr., to Owens-Illinois, Inc. Combined bottle and cap therefor. 210,251, 2-20-68, Cl. D58—6.
Linn, James L., Jr., to Owens-Illinois, Inc. Bottle. 212,584, 11-5-68, Cl. D9—1.
Linn, James L., Jr., to Owens-Illinois, Inc. Jug. 212,670, 11-12-68, Cl. D9—44.
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Long, Millard K., to E. W. Bliss Co. Front cover for a press. 211,422, 6-11-68, Cl. D63—1.
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Lo Turco, Raymond A., to Frick Co. Fluid heat exchanger for air conditioning and refrigeration systems and the like. 210,527, 3-19-68, Cl. D23—153.
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Luft, Walter J., to Jacoby-Bender, Inc. Link chain for a bracelet or the like. 211,599, 7-2-68, Cl. D45—4.
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Madlem, John R., to Creative Associates of Albany, Ltd. Dog's bed. 212,009, 8–20–68, Cl. D30—41.
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Maier, Kenneth D., to Bausch & Lomb, Inc. Laboratory illuminator. 211,670, 7–9–68, Cl. D57—1.
Malese, Richard R., to American Optical Co. Combination hair band and sunglass. 212,393, 10–8–68, Cl. D57—1.
Maillard, Pierre, to Patterson International Corp. Game table. 211,259, 6–4–68, Cl. D34—5.
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Makris, Aristides, to The B. F. Goodrich Co. Tire. 212,519, 10–22–68, Cl. D90—20.
Malanga Orlando A. Combined tire gauge and marker. 211,540, 6–25–68, Cl. D52—6.
Malk, David J., and R. L. Greene, to Beckman Instruments, Inc. Meter for electrochemical analysis. 210,825, 4–23–68, Cl. D16—2.
Mallonee, Carroll B. Game board. 211,193, 5–28–68, Cl. D34—5.
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Mallory, Robert V., to International Business Machines Corp. Document roll input unit. 210,215, 2–20–68, Cl. D26—5.
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Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 210,243, 2–20–68, Cl. D54—12.
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Mangold, Raymond J., and R. E. Marsh, to Union Carbide Corp. Barrel. 211,511, 6–25–68, Cl. D9—170.
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Markert, Herman R., to Sonoco Products Co. Pull tab. 210,870, 4–30–68, Cl. D9—256.
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Martin Robert L. Lamp base. 212,705, 11–12–68, Cl. D48—20.
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Mascia, Carmen T., and H. A. Peyser, to Continental Can Co., Inc. Dispenser cap for containers. 210,516, 3–19–68, Cl. D9—276.
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Masnick, Philip, to The Procter & Gamble Co. Paper toweling. 212,049, 8–20–68, Cl. D59—2.
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Maxemovich, Marco, to Uniroyal, Inc. Tire. 211,679, 7–9–68, Cl. D90—20.
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McGinnis, George F., to Wed Enterprises, Inc. Rocket amusement ride. 213,057, 12–31–68, Cl. D34—5.
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Mercadante, Ottorino N., to Corning Glass Works. Plate or the like. 210,615, 3–26–68, Cl. D44—15.
Mercadante, Ottorino N., to Corning Glass Works. Plate or similar article. 210,898, 4–30–68, Cl. D44—15.
Mercadante, Ottorino N., to Corning Glass Works. Plate or the like. 210,899, 4–30–68, Cl. D44—15.
Merci, William P.: *See*—
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Mercorelli, Pasquale A. Box camera. 210,559, 3–19–68, Cl. D61—1.
Mercury Record Productions, Inc.: *See*—
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Merel, Wolfgang, to Weston Instruments, Inc. Digital panel meter. 213,020. 12–24–68, Cl. D52—6.
Meriam Instrument Co., The: *See*—
Hejduk, Arthur A. 210,661.
Merillat, Richard D., to Merillat Woodworking Co. Furniture panel. 212,236. 9–17–68, Cl. D33—1.
Merillat Woodworking Co.: *See*—
Merillat, Richard D. 212,236.
Merino, Alfonso W., to International Business Machines Corp. Film processor. 211,912, 8–6–68, Cl. D61—1.
Mero, Robert B. Music stand storage cart. 211,034, 5–14–68, Cl. D33—14.
Merry, Donald D., and C. J. Fuhst, to Quixonic, Inc. Cartridge for recorded tape. 212,619, 11–5–68, Cl. D26—14.
Mertz, Horst: *See*—
Kronefeld, Herbert, and Mertz. 212,468.
Messinger, Elmar K., to Avanel Industries, Inc. Combined parts cleaner and container for a recirculating solvent. 210,314, 2–27–68, Cl. D49—1.
Mestrovic, Robert T., to S. A. Weisgal. Pitcher. 210,237, 2–20–68, Cl. D44—21.
Metalex Corp.: *See*—
Stone, Mark M. 212,354.
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Metelco, Inc.: *See*—
Marik, Henry J. 210,098.
Mettox Mfg. Co.: *See*—
Allen, Robert Y., and M. and E. K. Shaw. 210,144.
Allen, Robert Y., and M. and E. K. Shaw. 210,146.
Allen, Robert Y., and M. and E. K. Shaw. 210,147.
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Metzler, Charles L., H. A. Holzwarth, and J. D. Wark, to American Can Co. Drinking cup. 212,592, 11–5–68, Cl. D9—220.
Meunier, Jean, to Institut Teccart Inc. Instrument panel. 210,881. 4–30–68, Cl. D26—1.
Meunier, Tiarko G., to Societe Industrielle Bull-General Electric (Societe Anonyme). Document reading machine. 209,828, 1–9–68, Cl. D26—5.
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Pottiez, Frantz. 211 516.
Pottiez, Frantz. 211,517.
Meyer, Carl R. Diving board. 211,864, 8–6–68, Cl. D13—1.
Meyer Products, Inc.: *See*—
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Jones, Dennis L. 210,797.
Meyer, Roy E.: *See*—
Mango, Joseph R., and Meyer. 212,710.
Meyers, Leslie W.: *See*—
Carlson, Rufus T., and Meyers. 211,711.
Michaels, William H. Combined flower pot holder and bracket therefor. 212,959, 12–17–68, Cl. D35—3.
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Michel, Raymond S., to United Medical Laboratories, Inc. Cervical spatula. 210,757, 4–9–68, Cl. D83—12.
Michel, Raymond S., to United Medical Laboratories, Inc. Combination mailing case and mycology kit. 213,030, 12–24–68, Cl. D83—1.

Michel, Raymond S., to United Medical Laboratories, Inc. Combined mailing case and refrigerated container for frozen biological specimens. 213,031, 12–24–68, Cl. D83—1.

Michel, Raymond S., to United Medical Laboratories, Inc. Mycology kit. 213,032, 12–24–68, Cl. D83—1.

Michigan Wig Products Co., Inc.: *See—*
Anson, William E. 210,747.

Middlemark, Marvin P. Antenna cable. 210,948, 5–7–68, Cl. D26—1.

Middlemark, Marvin P. Indoor television antenna. 210,951, 5–7–68, Cl. D26—14.

Middlemark, Marvin P. Television antenna rod. 211,882, 8–6–68, Cl. D26—14.

Milan, Nicholas M. Height gauge. 212,259, 9–17–68, Cl. D52—6.

Miles, John K., and J. R. Davis, to Arvin Industries, Inc. Shoe buffing machine. 211,550, 6–25–68, Cl. D86—11.

Miles, John K., and O. D. Lingle, to Arvin Industries, Inc. Clock radio. 212,045, 8–20–68, Cl. D56—4.

Miles Laboratories, Inc.: *See—*
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Sullivan, James H. 211,248.

Miles, Robert F., to MS Industries, Inc. Bakery tray. 211,068, 5–14–68, Cl. D87—1.

Miley, David W., to General Time Corp. Timer. 210,474, 3–12–68, Cl. D42—7.

Miley, David W., to General Time Corp. Clock. 210,676, 4–2–68, Cl. D42—7.

Miley, David W., to General Time Corp. Clock casing. 212,028, 8–20–68, Cl. D42—7.

Miley, David W., to General Time Corp. Clock casing. 212,032, 8–20–68, Cl. D42—7.

Miley, David W., and E. R. Danz, to General Time Corp. Clock 210,675, 4–2–68, Cl. D42—7.

Miley, David W., and E. R. Danz, to General Time Corp. Clock casing. 212,030, 8–20–68, Cl. D42—7.

Miller, Bernard, to Duro Engineering & Mfg., Inc. Reaming tool. 211,403, 6–11–68, Cl. D54—4.

Miller, Daniel D., to Doban Labs, Inc. Console for an automatic bowling scoring system or similar article. 211,799, 7–30–68, Cl. D34—5.

Miller, Donald L., to Daryl Industries, Inc. Slider window extrusion. 211,240, 6–4–68, Cl. D13—6.

Miller, Duane W. Toy gyroscope top. 210,300, 2–27–68, Cl. D34—15.

Miller, Earl A. Handgrip for ski poles. 212,811, 11–26–68, 11–26–68, Cl. D34—14.

Miller, Earl A. Plate for ski boots. 212,856, 12–3–68, Cl. D34—14.

Miller, Herman, Inc.: *See—*
Eames, Charles. 210,940.

Miller, John B. Paint Brush. 212,668, 11–12–68, Cl. D4—38.

Miller, John L.: *See—*
McCormick, Robert E., Kuchenreuther, and Miller. 212,-787.

Miller, Milton J., B. W. Henrikson, and C. J. Barecki, to American Seating Co. Combined lectern and cabinet. 210,-133, 2–13–68, Cl. D33—10.

Miller Motors, Inc.: *See—*
Theissen, Leon A., and Hogan. 210,045.
Theissen, Leon A., and Hogan. 211,904.

Miller, Oscar. Insect trap housing. 212,222, 9–17–68, Cl. D22—19.

Miller, Oscar. Television antenna. 212,849, 12–3–68, Cl. D26—14.

Miller, Rhys D., to Chan Miller Smith. Case for a clock or similar article. 211,896, 8–6–68, Cl. D42—7.

Miller, Robert L., to Lear Siegler, Inc. Heater cabinet. 210,-756, 4–9–68, Cl. D81—19.

Miller, Ronald C., to Honeywell Inc. Face panel for a control instrument. 210,974, 5–7–68, Cl. D52—6.

Miller, Willard N.: *See—*
Fahs, Robert L., and Miller. 212,687.

Millerlel, Arthur G. Switch unit for vehicle parking alarm. 211,470, 6–18–68, Cl. D26—13.

Mills, Samuel M., to Beef Corral Restaurants, Inc. Building. 210,119, 2–13–68, Cl. D13—1.

Mills, Thomas C., to Camera Corp. of America (Canada) Ltd. Camera. 212,717, 11–12–68, Cl. D61—1.

Milow, Gunter E.: *See—*
Hall, John C., and Milow. 211,888.

Milprint, Inc.: *See—*
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Furniss, William R. 212,662.

Minarovich, John S., to Jole Enterprises Inc. Game device or similar article. 212,696, 11–12–68, Cl. D34—5.

Minas, Harold Y. Eye testing unit. 212,647, 11–5–68, Cl. D57—1.

Mineo, Joseph C. Pet canteen. 212,191, 9–10–68, Cl. D30—13.

Minicucci, Salvatore, to Prochain, Inc. Decorative chain link. 212,774, 11–19–68, Cl. D45—16.

Mining & Chemical Products Ltd.: *See—*
Hodge, Gerard T. 210,586.
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Minnesota Mining and Mfg. Co.: *See—*
Anderson, John R. 211,106.
Blomgren, Jack P., and Brewitz. 211,760.
Hart, Richard S. 210,537.
Kleemeier, Robert H., and Zemke. 213,016.
Krueger, Alfred P. 211,762.
Laughlin, Clayton A. 210,513.

Mintz, Charles, and R. Katz. Dog collar clasp. 212,097, 8–27–68, Cl. D30—25.

Mishkin, Sidney: *See—*
Bidwell, Robert E., and Mishkin. 212,572.
Bidwell, Robert E., and Mishkin. 212,573.

Mr. Christmas, Inc.: *See—*
Goodridge, Walter R. 211,905.

Mitch, Frank M., to The B. F. Goodrich Co. Tire. 209,891, 1–9–68, Cl. D90—20.

Mitchell, Atherton R., to Renauld International, Ltd. Pair of sunglasses or the like. 210,420, 3–5–68, Cl. D57—1.

Mitchell, Atherton R., to Renauld International, Ltd. Pair of sunglasses or the like. 210,421, 3–5–68, Cl. D57—1.

Mitchell, Atherton R., to Renauld International, Ltd. Pair of sunglasses or the like. 210,422, 3–5–68, Cl. D57—1.

Mitchell, Atherton R., to Renauld International, Ltd. Pair of sunglasses or the like. 210,423, 3–5–68, Cl. D57—1.

Mitchell, Atherton R., to Renauld International, Ltd. Pair of sunglasses or the like. 210,424, 3–5–68, Cl. D57—1.

Mitchell, Atherton R., to Renauld International, Ltd. Pair of sunglasses or the like. 210,806, 4–16–68, Cl. D57—1.

Mitchell, Atherton R., to Renauld International, Ltd. Pair of sunglasses or the like. 211,413, 6–11–68, Cl. D57—1.

Mitchell, Atherton R., to Renauld International, Ltd. Sunglass front. 211,495, 6–18–68, Cl. D57—1.

Mitchell, Atheron R., to Renauld International, Ltd. Sunglass front. 211,496, 6–18–68, Cl. D57—1.

Mitchell, Atherton R., to Renauld International, Ltd. Sunglass front. 211,967, 8–13–68, Cl. D57—1.

Mitchell, Atherton R., to Renauld International, Ltd. Sunglass front. 211,968, 8–13–68, Cl. D57—1.

Mitchell, Atherton R., to Renauld International, Ltd. Pair of sunglasses or the like. 212,392, 10–8–68, Cl. D57—1.

Mitchell, Bernard A. Vaporizer appliance or similar article. 212,284, 9–24–68, Cl D23—148.

Mitchell, Bernard A. Vaporizer appliance or similar article. 212,285, 9–24–68, Cl. D23—148.

Mitchell, Bernard A. Vaporizer appliance or similar article. 212,286, 9–24–68, Cl. D23—148.

Mitchell Mfg. Co.: *See—*
Blink, Robert O., Holz, and Lutzke. 209,758.

Mitchell, Robert W., and R. L. Gallup, to Heath Co. Photometric instrument or the like. 211,758, 7–23–68, Cl. D61—1.

Mitchell, Terrance R. Stuffed toy. 212,809, 11–26–68, Cl. D34—4.

Mitchell, Winalee G. Slipper. 212,731, 11–19–68, Cl. D2—268.

Mixon, James L., Jr., to AMP, Inc. Tap-off connector for underground installation of electrical service. 210,127, 2–13–68, Cl. D26—1.

Mizen, Kurt F., to Burges Vibrocrafters, Inc. Electric massager. 212,270, 9–17–68, Cl. D83—1.

Miziolek, John, to Aurora Plastics of Canada Ltd. Coin display case. 210,699, 4–2–68, Cl. D58—13.

Mizutani, Takeshi, to Kanamaru Shoten, Ltd. Cigarette lighter. 211,900, 8–6–68, Cl. D48—27.

Mobil Oil Corp.: *See—*
Limbach, Anthony P. 210,193–5.

Model Builders, Inc.: *See—*
Chaffee, William H. 210,743.

Modern Album and Finishing, Inc.: *See—*
Froehlig, Rudolph A. 211,673.

Modern Village Stores, Inc.: *See—*
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Modrey, Henry J. Tape threader for temporarily securing magnetic recording tape in a reel. 210,594, 3–26–68, Cl. D26—14.

Moeckl, Ernst, to Firma Lubke KG. Writing-table. 212,765, 11–19–68, Cl. D33—14.

Mohawk Data Sciences Corp.: *See—*
Bennett, Lewis W., Eckert, Konkel, and Sweeney. 210,-985.
Dean, Harold L., Kress, Pearson, and Sweeney. 210,534.

Mok, Linda A. and Louis A. Lamp base. 212,641, 11–5–68, Cl. D48—20.

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Mok, Linda A. and Louis A. 212,641.

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Westborg, Sven M. 210,958.

Mongerson, Paul A., to Standard Screw Co. Combined bathtub spout, hand grip, soap holder and control knob. 211,-873, 8–6–68, Cl. D23—32.

Mongerson, Paul A., to Standard Screw Co. Combined bathtub spout and soap holder. 211,874, 8–6–68, Cl. D23—32.

Monigle, Glenn W.: *See*—
Smith, Raymond A., Monigle, and Gaylor. 209,918.
Monroe International Corp.: *See*—
Yagura, Robert K., and Barner. 211,835.
Monroe, Jay, to Tensor Corp. Combined lamp and clock. 212,499, 10–22–68, Cl. D48—20.
Monsanto Co.: *See*—
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Hills, David G. 212,320.
Hills, David G. 212,321.
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Montgomery, Robert W.: *See*—
De Rousse, Dale E., Johnson, Martin, and Montgomery. 210,220.
Moore, Arthur H., and J. G. Bacevius, to The Bridgeport Metal Goods Mfg. Co. Flashlight or similar article. 210,040, 1–30–68, Cl. D48—24.
Moore, Aston L. Speaker baffle. 210,776, 4–16–68, Cl. D26—14.
Moore, Aston L. Speaker baffle. 210,779, 4–16–68, Cl. D26—14.
Moore, Aston L. Sound diffusing speaker baffle. 210,831, 4–23–68, Cl. D26—14.
Moore, Aston L. Combined baffle and grille for a loudspeaker. 211,184, 5–28–68, Cl. D26—14.
Moore, Aston L. Speaker enclosure. 211,254, 6–4–68, Cl. D26—14.
Moore, Aston L. Speaker enclosure. 211,255, 6–4–68, Cl. D26—14.
Moore, Aston L. Speaker baffle. 211,256, 6–4–68, Cl. D26—14.
Moore, Aston L. Speaker enclosure. 211,361, 6–11–68, Cl. D26—14.
Moore, Buell, to Esquire, Inc. Suspended combination transformer and light fixture. 211,121, 5–21–68, Cl. D48—20.
Moore, Buell, to Esquire, Inc. Transformer enclosure. 211,692. 7–16–68. Cl. D26—15.
Moore, Buell, to Esquire, Inc. Transformer enclosure. 212,159, 9–3–68, Cl. D26—15.
Moore, Buell, to Esquire, Inc. Transformer enclosure. 212,160, 9–3–68, Cl. D26—15.
Moore, Buell, to Esquire, Inc. Transformer enclosure. 212,363, 10–8–68, Cl. D26—15.
Moore, Buell, to Esquire, Inc. Transformer enclosure. 212,364, 10–8–68, Cl. D26—15.
Moore, Buell, to Esquire, Inc. Light fixture. 212,381, 10–8–68, Cl. D48—20.
Moore, Charles R. Battery charger and eliminator. 212,764, 11–19–68, Cl. D26—15.
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Moore, Edwin K.: *See*—
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Moore, Ivan H. Trot line reel. 210,121, 2–13–68, Cl. D22—22.
Moore, John W., to Swan Corp. Shower stall. 212,224, 9–17–68, Cl. D23—57.
Moore, Oklahoma, to D. Seitz. Mobile wheel alignment unit. 211,331, 6–11–68, Cl. D14—3.
Moore, Rex G. Egg caddy. 210,613, 3–26–68, Cl. D44—10.
Moranduzzo, Dario. Combined candleholder and Christmas tree ornament. 209,971, 1–23–68, Cl. D29—1.
Moranduzzo, Dario. Combined candleholder and Christmas tree ornament. 210,028, 1–30–68, Cl. D29—1.
Moranduzzo, Dario. Christmas tree ornament. 210,029, 1–30–68, Cl. D29—1.
Moranduzzo, Dario. Christmas tree ornament or the like. 210,597, 3–26–68. Cl. D29—1.
Moranduzzo, Dario. Combined candleholder and Christmas tree ornament. 210,616, 3–26–68, Cl. D48—2.
Moranduzzo, Dario. Christmas ornament. 210,738, 4–9–68, Cl. D29—1.
Moranduzzo, Dario. Combined candleholder and Christmas tree ornament. 210,886, 4–30–68, Cl. D29—1.
Moranduzzo, Dario. Christmas ornament or the like. 210,887, 4–30–68. Cl. D29—1.
Moranduzzo, Dario. Christmas ornament or the like. 210,888, 4–30–68, Cl. D29—1.
Moranduzzo, Dario. Christmas ornament. 211,096, 5–21–68, Cl. D29—1.
Moranduzzo, Dario. Christmas ornament or the like. 211,363, 6–11–68, Cl. D29—1.
Moranduzzo, Dario. Christmas ornament or the like. 211,364, 6–11–68, Cl. D29—1.
Moranduzzo, Dario. Clock. 211,380, 6–11–68, Cl. D42—7.
Moranduzzo, Dario. Clock. 211,381, 6–11–68, Cl. D42—7.
Moranduzzo, Dario. Christmas ornament. 212,234, 9–17–68, Cl. D29—1.
Moranduzzo, Dario. Christmas ornament. 212,235, 9–17–68, Cl. D29—1.
Moranduzzo, Dario. Christmas tree ornament. 212,805, 11–26–68. Cl. D29—1.
Moranduzzo, Dario. Christmas tree ornament. 212,806, 11–26–68, Cl. D29—1.
Moranduzzo, Dario. Christmas tree ornament. 212,807, 11–26–68, Cl. D29—1.
Moreo, Robert E., to SW Industries, Inc. Bowling ball or similar article. 210,136, 2–13–68, Cl. D34—5.
Morgan, John R., to Amerock Corp. Pull. 211,780, 7–30–68, Cl. D10—8.

Morgan, John R., to Amerock Corp. Escutcheon plate. 212,714, 11–12–68, Cl. D50—6.
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Morgan, Robert G., and R. E. Smith, to Sylvania Electric Products, Inc. Combined miniature lamp and reflector therefor. 212,897, 12–10–68, Cl. D48—16.
Morita, Akira, to Kanegafuchi Spinning Co., Ltd. Wrapping paper for chewing gum. 210,557, 3–19–68, Cl. D59—2.
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Gelardi, Anthony, and Mathus. 212,761.
Morphy-Richards Ltd.: *See*—
Grange, Kenneth. 211,280.
Morris, Stephen W. Portable lamp. 212,969, 12–17–68, Cl. D48—20.
Morrison, James P. Tie rack. 211,370, 6–11–68, Cl. D33—8.
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Mulligan, Terrence J., and Morrison. 212,473.
Mulligan, Terrence J., and Morrison. 212,474.
Mulligan, Terrence J., and Morrison. 212,475.
Mulligan, Terrence J., and Morrison. 212,478.
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Moseley, Francis L. and P., and Johnson. 213,072.
Moseley, Tomlinson I., to Barient Co. Winch. 210,612, 3–26–68, Cl. D41—1.
Moser, Kurt, to M. Bamberger. Control console for car washing apparatus. 209,965, 1–23–68, Cl. D26—5.
Mosler Safe Co., The: *See*—
Payne, George, and Finlay. 212,133.
Payne, George, and Maus. 210,871.
Mother's Cookie Co.: *See*—
King, Michael. 210,068.
Motiva Ltd.: *See*—
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Motor Coach Industries Ltd.: *See*—
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Van der Linden, Donald. 212,476.
Zeller, Herbert J. 210,100.
Zeller, Herbert J. 213,023.
Zeller, Herbert J. 213,024.
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Bowers, John H., Jr., Kowalewski, and Moughty. 209,810.
Mouissie, Bob, to Paillard S.A. Film spool magazine. 210,173, 2–13–68, Cl. D61—1.
Moulton, Lee A., to Super Slide Corp. Amusement slide. 210,298, 2–27–68, Cl. D34—5.
Mowrer, Schuyler C. Support for tilting a skillet handle. 210,145, 2–13–68, Cl. D44—10.
Moxon, Richard D., to The General Electric Co. Ltd. Reed relay bobbin. 209,747, 1–2–68, Cl. D26—13.
Moxon, Richard D., to The General Electric Co. Ltd. Reed relay. 209,748, 1–2–68, Cl. D26—13.
Mueller, Leonard E., to C. R. Brown. Flying toy. 209,763, 1–2–68, Cl. D34—15.
Mulhauser, George C., Jr. Reclining chair. 209,743, 1–2–68, Cl. D15—11.
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Mullen, Charles F. Building complex. 212,844, 12–3–68, Cl. D13—1.
Muller, Henry L., to Lightolier Inc. Desk lamp. 211,387, 6–11–68, Cl. D48—20.
Muller, Walter. F. Hero, and K. Odermatt, to Lubke K.G. Combined table and seating unit. 212,878, 12–10–68, Cl. D15—1
Mulligan, Terrence J., and J. K. Morrison. Passenger vehicle service unit. 212,473, 10–22–68, Cl. D23—73.
Mulligan, Terrence J., and J. K. Morrison. Passenger vehicle service unit. 212,474, 10–22–68, Cl. D23—73.
Mulligan, Terrence J., and J. K. Morrison. Passenger vehicle service unit. 212,475, 10–22–68, Cl. D23—73.
Mulligan, Terrence J., and J. K. Morrison. Combined speaker and heater unit. 212,478, 10–22–68, Cl. D26—14.
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David, Charles W., Stuart-Williams, and Munson. 209,869.

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Kaufman, Vernon R., Kelly, and Munson. 211,595.
Murcott, Charles E. Invalid underarm support device for attachment with workbenches and the like. 211,675, 7–9–68, Cl. D83—1.
Murphy, Timothy C., to Arvin Industries, Inc. Humidifier. 210,277, 2–27–68, Cl. D23—146.
Murray, John J. Casing for an electric heater. 211,790, 7–30–68, Cl. D23—113.
Murray Ohio Mfg. Co., The: *See*—
Schreckengost, Viktor. 209,944.
Schreckengost, Viktor. 210,674.
Schreckengost, Viktor. 210,711.
Schrenkengost, Viktor. 210,862.
Schreckengost, Viktor. 210,990.
Schreckengost, Viktor. 212,636.
Murray, Shade, to J. W. Carter Co. Boot. 213,035, 12–31–68, Cl. D2—273.
Musser, Clair O. Planetarium. 210,075, 2–6–68, Cl. D25—1.
Musser, Clair O. Stringed musical instrument. 210,556, 3–19–68, Cl. D56—1.
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Napier, Howard C. Engine-driven generator for charging batteries. 210,832, 4–23–68, Cl. D26—15.
Nardone, William, to Sweetheart Plastics, Inc. Flexible drinking straw. 211,226, 5–28–68, Cl. D94—3.
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Pastva, John V., Jr., to The Eastern Co. Paddle lock. 210,153, 2–13–68, Cl. D50—5.
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Pemberton, Paul E., S. D. Loose, and A. E. Greene, to Overhead Door Corp. Garage door. 211,863, 8–6–68, Cl. D13—1.
Pence, Coralynn. Finger ring. 212,966, 12–17–68, Cl. D45—10.
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Penna, Toney. Golf club bag. 213,010, 12–24–68, Cl. D34—5.
Penniman, Richard E., to Safeguard Products Corp. Window planter. 211,957, 8–13–68, Cl. D35—3.
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Schaefer, Robert B. 210,878.
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Warrell, Lincoln A. 211,776.
Peoples, Allie V., Jr. Carrier for a garment hanger or the like. 209,937, 1–16–68, Cl. D80—8.
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Perfit, Richard, to Abilene Associates Inc. Automobile door lock knob. 211,699, 7–16–68, Cl. D50—7.
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Perkins, George D., to American Telecommunication Corp. Telephone handset. 210,378, 3–5–68, Cl. D26—14.
Perkins, George D., to American Telecommunication Corp. French cradle telephone. 210,379, 3–5–68, Cl. D26—14.
Perkins, George D., to American Telecommunication Corp. Combined telephone and enclosure therefor. 211,645, 7–9–68, Cl. D26—14.
Perlman, Harry. Carrier for jars or the like. 212,075, 8–27–68, Cl. D9—178.
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Perraud, Roger, to Societe Le Foyer et Cie. Fountain-pen. 212,866, 12–3–68, Cl. D74—17.
Perry, Frank R., to Oneida Ltd. Spoon or similar article. 210,690, 4–2–68, Cl. D54—12.
Perry, Frank R., to Oneida Ltd. Spoon or similar article. 210,910, 4–30–68, Cl. D54—12.
Perry, Frank R., to Oneida Ltd. Spoon or similar article. 211,129, 5–21–68, Cl. D54—12.
Perry, Frank R., to Oneida Ltd. Spoon or similar article. 211,130, 5–21–68, Cl. D54—12.
Perry, Frank R., to Oneida Ltd. Spoon or similar article. 212,388, 10–8–68, Cl. D54—12.
Perry, Peter J. Combined scorer and peeler for citrus fruits. 209,998, 1–23–68, Cl. D89—1.
Persinger, Laverne O. and M. L., to Big Boy Mfg. Co., Inc. Toy wagon. 212,105, 8–27–68, Cl. D34—15.
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Persinger, Laverne O. and M. L. 212,105.
Persons, Robert C. Cycle saddle. 210,759, 4–9–68, Cl. D90—16.
Persons, Robert C. Cycle saddle. 210,760, 4–9–68, Cl. D90—16.
Persons, Robert C. Safety bar for cycles. 211,922, 8–6–68, Cl. D90—1.
Perwas, Ludwig F. Clip for a writing inatrument or the like. 212,788, 11–19–68, Cl. D74—2.
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Peters, Don B., and G. T. Powell, to E. C. Fraze. Pull tab for a removable tear portion. 212,462, 10–22–68, Cl. D9—256.
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Petersen, Ruth E.: *See*—
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Peterson, Carl A.: *See*—
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Peterson, Dean M., and C. E. Pickering, to Eastman Kodak Co. Flashcube adapter for cameras having accessory shoes or similar article. 210,627, 3–26–68, Cl. D61—1.
Peterson, Edward W., to Rival Mfg. Co. Portable electric food mixer. 211,041, 5–14–68, Cl. D44—1.
Peterson, Emmy N. Crib sheet. 209,948, 1–16–68, Cl. D92—26.

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Petry, Frank A. Rapidly changeable aircraft. 212,720, 11–12–68, Cl. D71—1.
Pettengill, Floyd E., to Afico S.A. Combined storage jar and mixing shaker. 210,004, 1–30–68, Cl. D58—8.
Pettengill, Floyd E., to Anchor Hocking Glass Corp. Jug or similar article. 211,000. 5–14–68. Cl. D9—49.
Pettengill, Floyd E., to Anchor Hocking Glass Corp. Jug or similar article. 212,457, 10–22–68, Cl. D9—50.
Pettengill, Floyd E., to Anchor Hocking Glass Corp. Jar or similar article. 212,459, 10–22–68, Cl. D9—92.
Pettengill, Floyd E. Jar or similar article. 212,460, 10–22–68, Cl. D9—92.
Pettengill, Floyd E., to Anchor Hocking Glass Corp. Jar or similar article. 213,037, 12–31–68, Cl. D9—92.
Pettengill, Floyd E., to Anchor Hocking Glass Corp. Jar or similar article. 213,038, 12–31–68, Cl. D9—92.
Pettengill, Myron F., to General Electric Co. Floodlight. 211,391. 6–11–68. Cl. D48—20.
Pettengill, Myron F., to General Electric Co. Luminaire. 211,820, 7–30–68, Cl. D48—4.
Pettengill, Myron F., to General Electric Co. Light fixture. 211,821, 7–30–68, Cl. D48—23.
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Pizzurro, Joseph C., to Precision Valve Corp. Dispensing container for liquids or the like. 211,154, 5–28–68, Cl. D9—53.
Pizzurro, Joseph C., to Precision Valve Corp. Dispensing container for liquids or the like. 211,559, 7–2–68, Cl. D9—8.
Pizzurro, Joseph C., to Precision Valve Corp. Dispensing container for liquids or the like. 211,560, 7–2–68, Cl. D9—41.
Pizzurro, Joseph C., to Precision Valve Corp. Bottle or the like. 211,561, 7–2–68, Cl. D9—82.
Plantholt, Robert G., to The Scionics Corp. Machine for mounting film on cards. 210,104, 2–6–68, Cl. D61—1.
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Platte, Richard L., to Hoover Ball and Bearing Co. Bottle. 210,353, 3–5–68, Cl. D9—147.
Platte, Richard L., to Hoover Ball and Bearing Co. Bottle. 211,157, 5–28–68, Cl. D9—129.
Platte, Richard L., to Hoover Ball and Bearing Co. Jug. 212,410, 10–15–68, Cl. D9—39.
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Plummer, James E., to Owens-Illinois, Inc. Bottle. 210,766, 4–16–68, Cl. D9—53.
Plummer, James E., to Owens-Illinois, Inc. Jar. 211,932, 8–13–68, Cl. D9—105.
Pochyla, Gerald L., and W. R. Smith, to The Upjohn Co. Animal drinking fountain or the like. 212,622, 11–5–68, Cl. D30—13.
Podall, Robert, to Drackett Co. Dispenser cap for a pressurized can. 212,414, 10–15–68, Cl. D9—258.
Pogue, Lonnie C., to Honeywell Inc. Cabinet for electrical apparatus. 212,328, 10–1–68, Cl. D26—1.
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Popeil, Samuel J. Heater housing for hair rollers and steam vaporizers. 212,155, 9–3–68, Cl. D23—77.
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Pottiez, Frantz, to Meurop, Societe Anonyme. Extruded cellular panel for furniture. 211,517, 6–25–68, Cl. D13—1.
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Price, James R., to Gorham Corp. Cover attachment for telephone handsets. 209,909, 1–16–68, Cl. D26—14.
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Prifogle, John S., and R. C. Vail, to Belden Corp. Strain relief for electrical connectors. 210,021, 1–30–68, Cl. D26—1.
Prince, Andrew J. Telephone stand. 211,999, 8–20–68, Cl. D26—14.
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Ramp, Robert H., to Bausch & Lomb Inc. Pair of spectacles. 211,669, 7–9–68, Cl. D57—1.
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Rasmusson, Ben E. Confection forming mold. 210,971, 5–7–68, Cl. D44—1.
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Ratliff, Harvey L., Jr., to Jetru Inc. Stereoscopic viewer. 211,421, 6–11–68, Cl. D61—1.
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Reach, Walter R. Combined storage compartment, freezer chest, and baking oven for use in processing comestibles, such as pretzels, pizza pies and the like. 211,970, 8–13–68, Cl. D67—3.
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Reichenstein, Victor, to Consolidated Merchandising Corp. Clock radio or similar article. 209,974, 1–23–68, Cl. D42—7.
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Robert, Tony. Holder for food bowl for pets. 209,755, 1–2–68, Cl. D30—13.
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Robert, Tony. Holder for food pans for pets. 211,368, 6–11–68, Cl. D30—13.
Robert, Tony. Holder for food bowls for pets. 212,161, 9–3–68, Cl. D30—13.
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Roberts, Jack C., to Saxton Electronics Corp. Plug-in guitar transmitter housing. 212,006, 8–20–68, Cl. D26—14.
Roberts, Jack C., to Saxton Electronics Corp. Case for a wrist communication transmitter. 212,850, 12–3–68, Cl. D26—14.
Roberts, Jack C., to Saxton Electronics Corp. Wireless intercom. 212,851, 12–3–68, Cl. D26—14.
Roberts, Jack C., to Saxton Electronics Corp. Radio housing for eye glasses. 212,863, 12–3–68, Cl. D56—4.
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Roccaforte, Harry I., E. M. Jordan, and W. C. Inch. Ice cream carton. 212,684, 11–12–68, Cl. D9—240.
Roche, Thomas F. Table lamp base. 212,443, 10–15–68, Cl. D48—20.
Rockwell, Jarvis W., to Playskool Mfg. Co. Toy sewing machine or similar article. 211,480, 6–18–68, Cl. D34—15.
Rockwell, Walter V., to American Loose Leaf Corp. Binder for a telephone directory or similar article. 210,267, 2–20–68, Cl. D97—2.
Rodin, Violet R. Coat rack. 210,786, 4–16–68, Cl. D33—8.
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Rodstein, Harvey B. Orbital sander. 210,794, 4–16–68, Cl. D37—1.
Rogers, Edward A. Grass shears. 210,001, 1–23–68, Cl. D95—5.
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Rogers, Meyric K., to Sunbeam Corp. Combination handle and liquid dispenser for floor-conditioner. 213,059, 12–31–68, Cl. D37—3.
Rogers, Meyric K., and G. Schugart, to Sunbeam Corp. Vacuum cleaner. 210,096, 2–6–68, Cl. D49—14.1.
Rogers, Meyric K., and G. Kuschewski, to Sunbeam Corp. Vacuum cleaner. 212,830, 11–26–68, Cl. D49—14.
Rogers, Ralph F., to Penn Controls, Inc. Rotational knob for controls and the like. 211,996, 8–20–68, Cl. D26—13.
Rogers, William C. Aircraft radio antenna. 210,884, 4–30–68, Cl. D26—14.
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Rome, Herbert M., and H. J. Fatt, to Eldon Industries, Inc. Letter tray. 212,264, 9–17–68, Cl. D74—9.
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Rosenheim, Morton A., to Ramo Realty Corp. Toilet bowl deodorant holder. 210,724, 4–9–68, Cl. D23—150.
Ross, Aline L. Transparent protective shield for hair spraying. 210,183, 2–13–68, Cl. D86—10.
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Ross, Charles A. Combined electric guitar amplifier and loud speaking housing unit or similar article. 210,129, 2–13–68, Cl. D26—14.
Ross, Charles A. Combination grille and speaker ports for a loudspeaker enclosure. 211,358, 6–11–68, Cl. D26—14.
Ross, Grant D., Jr., to Bell & Howell Co. Rotary slide tray. 210,170, 2–13–68, Cl. D61—1.
Ross, Grant D., Jr., to Bell & Howell Co. Motion picture camera. 212,562, 10–29–68, Cl. D61—1.
Ross, Grant D., Jr., and S. D. Rydstedt, to Bell & Howell Co. Hand grip for a motion picture camera or similar article. 210,704, 4–2–68, Cl. D61—1.
Ross, Will, Inc.: *See*—
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Rote, David B., to Arvin Industries, Inc. Clock radio. 212,342, 10–1–68, Cl. D56—4.

Roth, Albert J. Pendant or other article of jewelry. 212,896, 12-10-68, Cl. D45—17.
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Trimble, James, and Rottman. 212,372.
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Royer, Roger G., to Borg-Warner Corp. Reflecting traffic guide or similar article. 212,263, 9-17-68, Cl. D72—1.
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Rudy, Morris R., to The Singer Co. Playground climbing device or similar article. 212,891, 12-10-68, Cl. D34—5.
Ruffley, Morris F., Jr., to The Coca-Cola Bottling Works Co. Rack for a hand truck. 212,082, 8-27-68, Cl. D14—3.
Ruger, William B. Revolver. 212,751, 11-19-68, Cl. D22—1.
Ruggles, Kay L., to American Standard Inc. Integral sink and vanity top, or similar article. 210,827, 4-23-68, Cl. D23—58.
Ruggles, Kay L., to American Standard Inc. Sink. 211,688. 7-16-68, Cl. D23—58.
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Jones, Lloyd K., and Rush. 211,638.
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Ryan, John W., and J. H. Northrop, to Mattel, Inc. Hoop launching toy. 209,765, 1-2-68, Cl. D34—15.
Ryan, John W., and E. J. Echterling, to Mattel, Inc. Teaching machine toy having phonograph means. 210,076, 2-6-68, Cl. D25—1.
Ryan, John W., P. Frederick, and C. R. Zimmerman, to Mattel, Inc. Swingable wand skill game device. 210,082, 2-6-68, Cl. D34—5.
Ryan, John W., and G. W. Schmidt, to Mattel, Inc. Outer space vehicle toy. 210,085, 2-6-68, Cl. D34—15.
Ryan, John W., and J. H. Northrop, to Mattel, Inc. Rocket-launching toy. 210,398, 3-5-68, Cl. D34—15.
Ryan, John W., and J. De Gelder, to Mattel, Inc. Sled-type toy for dolls. 210,610, 3-26-68, Cl. D34—15.
Ryan, Richard W. Valve actuator for a pressurized can. 210,768, 4-16-68, Cl. D9—258.
Ryckman, Peter N., and W. E. Sparks, to Westinghouse Electric Corp. Battery powered clothes brush. 212,994, 12-17-68, Cl. D86—13.
Rycraft, John W. Combination lift fork and bark stripper for an end lift vehicle. 211,329, 6-11-68, Cl. D14—3.
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Sakabe, Teruo, to Kabushiki Kaisha Crown Sangyo. Lighter. 210,906, 4-30-68, Cl. D48—27.
Sakamoto, Tadashi, to Shozo Urano. Shield for bulb type syringes. 212,515, 10-22-68, Cl. D83—1.
Sakow, Toshihiko, to Baker Brush Co., Inc. Paint roller or the like. 212,131, 8-27-68, Cl. D64—18.
Sakow, Toshihiko, to Weston Instruments, Inc. Exposure meter. 213,025, 12-24-68, Cl. D61—1.
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Sand, Robert H., to The Vulcan Radiator Co. Drop-in grill for a radiator enclosure or the like. 211,730, 7-23-68, Cl. D23—115.
Sander, Joseph R., to H. Robert Industries, Inc. Tray insert for a furniture drawer. 210,463, 43-12-68, Cl. D33—1.
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Sanford, Robert A. Combined vanity and make-up case. 212,401, 10-8-68, Cl. D86—10.
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Sautier, Philip M., and G. H. Wells, Jr., to The Pillsbury Co. Cereal base cooked food snack. 212,580, 11-5-68, Cl. D1—11.
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Scaler, Frank, Jr. Combined tongue depressor and mouth block. 212,992, 12-17-68, Cl. D83—12.
Scanland, Joseph E., to American Machine & Foundry Co. Power sled. 211,571, 7-2-68, Cl. D14—24.
Schack, John B., to Concrete Conduit Co. Underground concrete utility vault. 210,006, 1-30-68, Cl. D13—1.
Schade, Frank S., to National Blank Tool Co., Inc. Holding plate for a clip or the like. 212,567, 10-29-68, Cl. D74—2.
Schaefer, George E., to Brunswick Corp. Bowler operated control stand for a scorekeeping machine. 210,035, 1-30-68, Cl. D34—5.
Schaefer, George E., to Brunswick Corp. Game table or the like. 211,583, 7-2-68, Cl. D33—14.
Schaefer, George E., and R. G. Reineman, to Brunswick Corp. Scorer console or the like. 210,608, 3-26-68, Cl. D34—5.
Schaefer, Harold W., and S. E. Hohulin, to National Union Electric Corp. Upright suction cleaner. 211,282, 6-4-68, Cl. D49—14.
Schaefer, Harold W., and S. E. Hohulin, to National Union Electric Corp. Suction cleaner. 212,257, 9-17-68, Cl. D49—14.
Schaefer, Robert B., to Pennsalt Chemicals Corp. Carrying handle for a refrigerant cylinder. 210,374, 3-5-68, Cl. D23—1.
Schaefer, Robert B., to Pennsalt Chemicals Corp. Combined refrigerant cylinder and carrying handle therefor. 210,878, 4-30-68, Cl. D23—2.
Schaffer, Walter. Payroll computer or the like. 211,212, 5-28-68, Cl. D64—11.
Schaper, Earl L., and S. A. Marcus, to The Dow Chemical Co. Jug. 213,040, 12-31-68, Cl. D9—44.
Scharf, Edwin I., ⅓ to C. B. Stem, and ⅓ to Historic New Albany, Inc. Game board. 212,889, 12-10-68, Cl. D34—5.
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Schellens, Henricus F. T., to North American Philips Co., Inc. Heating unit for hair curling clamps. 210,859, 4-23-68, Cl. D86—10.
Schellens, Henricus F. T., to North American Philips Co., Inc. Hair curler. 210,860, 4-23-68, Cl. D86—10.
Schellens, Henricus F. T., to North American Philips Co., Inc. Coffee maker. 211,487, 6-18-68, Cl. D44—26.
Schellens, Henricus F. T., to North American Philips Co., Inc. Rectifier unit for electric shavers. 212,763, 11-19-68, Cl. D26—15.
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Stone, Russell V. 211,929.
Scherer, Nancy A., to Cannon Mills Co. Pillowcase or similar article of bed linen. 212,928, 12-10-68, Cl. D92—26.
Scherer, Paul, to Hydrodynamic Development Corp., Inc. Sailing craft. 212,786, 11-19-68, Cl. D71—1.
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Schick, Henry W., to Gilbert Mfg. Co., Inc. Molded lamp socket. 209,963, 1-23-68, Cl. D26—1.
Schilling, Paul K., to Plastics, Inc. Covered food serving dish. 212,638, 11-5-68, Cl. D44—15.
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Schnase, Adolph R., to Davidson Optronics, Inc. Tilt head for a camera tripod or the like. 210,103, 2-6-68, Cl. D61—1.
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Schoesler, Ronald D. Guide for correcting typewriter copy. 210,688, 4-2-68, Cl. D52—6.
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Scholl, Virgil E., to S & W Co. Tool holder. 211,285, 6-4-68, Cl. D54—13.
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Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Gear shifting console for a bicycle. 210,711, 4–2–68, Cl. D90—1.
Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Bicycle. 210,862, 4–23–68, Cl. D90—8.
Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Gear shifting console for a bicycle. 210,990, 5–7–68, Cl. D90—1.
Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Housing for a rotary lawnmower. 212,636, 11–5–68, Cl. D40—1.
Schroeder, Alfred A., to Creative Vending Corp. Beer dispenser cabinet. 211,773, 7–23–68, Cl. D94—3.
Schroeder, Clifford G. Steering wheel. 211,168, 5–28–68, Cl. D14—30.
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Schultz, Charles J. Game board. 211,592, 7–2–68, Cl. D34—5.
Schultz, Charles J. Game board. 212,294, 9–24–68, Cl. D34—5.
Schultz, Charles J. Game board. 212,295, 9–24–68, Cl. D34—5.
Schultz, Charles J. Game board. 212,632, 11–5–68, Cl. D34—5.
Schultz, Moses R., to Knoll Associates, Inc. Armchair. 211,334, 6–11–68, Cl. D15—1.
Schultz, Moses R., to Knoll Associates, Inc. Contour chaise lounge. 211,337, 6–11–68, Cl. D15—11.
Schultz, Moses R., to Knoll Associates, Inc. Chaise lounge. 211,338, 6–11–68, Cl. D15—11.
Schulze, Herbert C. Desk set. 212,836, 11–26–68, Cl. D74—5.
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Schwartz, Harvey A., to Soss Mfg. Co. Clamp-around ammeter-voltmeter. 210,282, 2–27–68, Cl. D26—1.
Schwartz, Harvey A., F. Jacoby, and E. Calafano, to Soss Mfg. Co. Split-core volt-ammeter. 210,279, 2–27–68, Cl. D26—1.
Schwartz, Harvey A., F. Jacoby, and E. Calafano, to Soss Mfg. Co. Clamp-around ammeter-voltmeter. 210,280, 2–27–68, Cl. D26—1.
Schwartz, Harvey A., and R. J. Carter, to Soss Mfg. Co. Voltage tester. 211,088, 5–21–68, Cl. D26—1.
Schwartz, Henry A., to Color-Sonics, Inc. Cabinet for a combined multiprogram picture and sound projection machine or similar article. 211,415, 6–11–68, Cl. D61—1.
Schwartz, Ira W. Lipstick kit. 210,182, 2–13–68, Cl. D86—10.
Schwartz, Louis S., and R. C. Van Kuren, to Bethlehem Steel Corp. Container end closure. 209,786, 1–2–68, Cl. D58—26.
Schwartz, Michel S. Soap cradle or similar article. 212,835, 10–1–68, Cl. D33—24.
Schwartz, Robert C., and B. J. Gold, to Motiva Ltd. Rear projection viewer or similar article. 210,984, 5–7–68, Cl. D61—1.
Schwartz, Werner W., to Consolidated Sewing Machine Corp. Lighting fixture or similar article. 212,968, 12–17–68, Cl. D48—20.
Schwarz, George M., Jr., to Gold Medal Folding Furniture Co. Chair. 210,939, 5–7–68, Cl. D15—1.
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Scott, Kenneth W., to Eastman Kodak Co. Photographic copying device. 211,419, 6–11–68, Cl. D61—1.
Scott, Kenneth W. Photographic copying apparatus. 212,975, 12–17–68, Cl. D61—1.
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Seggerman, Robert C., to Whink Products Co. Combined bottle and handle therefor. 209,930, 1–16–68, Cl. D58—8.
Seibel, Ben, to Fostoria Glass Co. Goblet. 211,811, 7–30–68, Cl. D36—8.
Seiferth, Oscar E., G. M. Austin, and M. J. Gifford, to Oscar Mayer & Co., Inc. Package of sliced food or the like. 211,448, 6–18–68, Cl. D9—192.
Seiferth, Oscar E., G. M. Austin, and M. J. Gifford, to Oscar Mayer & Co., Inc. Package of sliced food or the like. 211,449, 6–18–68, Cl. D9—192.
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Sejersen, Henrik B. Exercise bar. 210,469, 3–12–68, Cl. D34—5.
Selander, Edwyn R. Spanner wrench. 212,308, 9–24–68, Cl. D54—16.
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Shalvoy, John C., to General Electric Co. Combined recharging stand and toothbrush holder. 211,850, 8–6–68, Cl. D4—16.
Shalvoy, John C., to General Electric Co. Combined can opener and knife sharpener or similar article. 212,930, 12–10–68, Cl. D95—2.
Shamburg, Vaughn L., to Lil 'Duffer of America, Inc. Building. 211,781, 7–30–68, Cl. D13—1.
Shannon, Suel G., and N. C. Graeff, to AMP Inc. Hemostat. 209,889, 1–9–68, Cl. D83—12.
Shannon, Suel G., and W. D. Neville, to AMP Inc. Insulating cover for electrical connectors or the like. 209,966, 1–23–68, Cl. D26—10.
Shapira, Nathan, to Cartiera Di Cairate S.p.A. Container for paper napkins or the like. 212,041, 8–20–68, Cl. D52—2.
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Shimano, Keizo, and N. Sato. Gear shifting console for a bicycle. 212,727, 11–12–68, Cl. D90—1.
Shimano, Keizo, and N. Sato. Gear shifting console for a bicycle. 212,728, 11–12–68, Cl. D90—1.
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Silliman, Robert M., to Electronics Research, Inc. Antenna. 211,794, 7–30–68, Cl. D26—14.
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Smith, Don E., to HRB-Singer, Inc. Foreign object detector. 211,402, 6–11–68, Cl. D52—6.
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Steinborn, Bennie. Strap for musical instrument. 211,975, 8–20–68, Cl. D2—393.
Steiner, Barry R. and I. S. Golf game board or similar article. 210,226, 2–20–68, Cl. D34—5.
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Stephens, Frank H., Jr., to Lockheed Aircraft Corp. Receiver for cardiological data or the like. 211,620, 7–2–68, Cl. D83—1.
Stephens, Frank H., Jr. Cigarette lighter. 212,898, 12–10–68, Cl. D48—27.
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Sterges, Alfred D., to The Drackett Co. Bottle. 210,271, 2–27–68, Cl. D9—60.
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Stone, Leland G., to Amerock Corp. Applique for a furniture panel. 210,010, 1–30–68, Cl. D13—6.
Stone, Leland G., to Amerock Corp. Pull. 210,117, 2–13–68, Cl. D10—8.
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Stone, Leland G., to Amerock Corp. Escutcheon plate. 210,819, 4–23–68, Cl. D10—8.
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Stone, Mark M., to Metalex Corp. Grating. 212,354, 10–8–68, Cl. D13—1.
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Taylor, Horace J. Portable desk and light combination. 212,541, 10–29–68, Cl. D33—7.
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Theissen, Leon A., and B. E. Hogan, Jr., to Miller Motors, Inc. Wheel mounting lug. 211,904, 8–6–68, Cl. D54—1.
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Theobald, Elwin, and P. R. Andrews. Hollow 6-sided file. 211,261, 6–4–68, Cl. D37—1.
Theobald, Elwin, and P. R. Andrews. Hollow 5-sided file. 211,262, 6–4–68, Cl. D37—1.
Theodore, H. : *See*—
Krolik, Paul P., and Theodore. 211,902.
Thless, Paul H. Television telephone. 212,421, 10–15–68, Cl. D26—14.
Thomas & Betts Co., The : *See*—
Piasecki, Raymond F. 210,663.
Thomas, T. J., Co., Inc. : *See*—
Ragone, Bernardo. 210,923.
Thomasville Furniture Industries, Inc. : *See*—
Barr, Richard G. 210,385.
Barr, Richard G. 210,998.
Barr, Richard G. 210,999.
Thompson, Hilder T. Vehicle body with rear wheel unit. 210,449, 3–12–68, Cl. D14—3.
Thompson, Josephus B., to Grover Musical Products, Inc. Guitar machine. 210,981, 5–7–68, Cl. D56—1.
Thompson, Ray N. Toboggan. 210,545, 3–19–68, Cl. D34—15.
Thompson, Richard E., to The San Diego Hockey Club. Applique emblem or similar article. 212,733, 11–19–68, Cl. D3—9.
Thompson, Robert D. : *See*—
Tingen, John W., and Thompson. 211,605.
Thompson, Thomas L. Portable building. 210,008, 1–30–68, Cl. D13—1.
Thomson, George, and W. J. Driver, to Northern Electric Co., Ltd. Telephone headset. 211,951, 8–13–68, Cl. D26—14.
Thomson, Winslow E. : *See*—
Dengel, Dianne, and Schovee. 211,694.
Thorn, John B., and A. Bus, to The Lane Co., Inc. Panel for furniture article. 210,031, 1–30–68, Cl. D33—1.
Thorn, John B., and A. Bus, to The Lane Co., Inc. Double pedestal cocktail table. 210,224, 2–20–68, Cl. D33—14.
Thorn, John B., and A. Bus, to The Lane Co., Inc. Cocktail table. 210,225, 2–20–68, Cl. D33—14.

Thorn, John B., and A. Bus, to The Lane Co. Inc. Pedestal table. 210,466, 3-12-68, Cl. D33—14.
Thornell, Ernest L., to Fisher-Price Toys, Inc. Trundle toy. 210,301, 2-27-68, Cl. D34—15.
Thornell, Ernest L., to Fisher-Price Toys, Inc. Toy boat. 211,036. 5-14-68, Cl. D34—15.
Thornley, Joseph, and F. S. Allwork, to Mole-Richardson (England) Ltd. Spot lamp. 213,063, 12-31-68, Cl. D48—20.
Thurman, Richard L., to The Smylon Co. Cosmetic holder or similar article. 210,261, 2-20-68, Cl. D86—10.
Thurston, Diane L. Toy animal figure. 210,080, 2-6-68, Cl. D34—2.
Tichenor, Clyde L.: *See*—
Cutler, Stanley, and Tichenor. 212,343.
Tichenor, Clyde L., and C. A. Budde, Body function sensor housing. 212,451, 10-15-68, Cl. D83—1.
Tidwell, James O., to E. P. Research, Inc. Paint pail for a paint roller. 212,563, 10-29-68, Cl. D64—18.
Timpe, William W.: *See*—
Reibold, Elmer L., Timpe, and Trivellini. 211,546.
Reibold, Elmer L., Timpe, and Trivellini. 211,547.
Tims, Fred W., Jr., to Camson Mfg. Co. Handle for trowels or the like. 211,567. 7-2-68, Cl. D10—8.
Tin, Ng Fook. Combined comb and thinning razor. 211,443, 6-11-68, Cl. D95—3.
Tingen, John W., and R. D. Thompson, to Purex Corp., Ltd. Refuse receptacle for use with a manhole cover. 211,605, 7-2-68, Cl. D49—30.
Tisdall, Thomas W., and C. E. Brown, to The Lane Co., Inc. Book-shelf unit or similar article. 209,839, 1-9-68, Cl. D33—2.
Tishuk, Michael A., to United States Mineral Products Co. Container for mushrooms and other produce. 211,859, 8-6-68, Cl. D9—224.
Tobishi Electronic Industries, Ltd.: *See*—
Sho, Takeo, and Shirosawa. 211,183.
Toedtman, John A., to ITT Blackburn Corp. Electrical terminal block. 211,949, 8-13-68, Cl. D26—1.
Toepfer, William H.: *See*—
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Toerge, Fred L., and G. C. Hoehne, to The Donley Brothers Co. Fireplace. 212,947, 12-17-68, Cl. D23—97.
Toerge, Fred L., and G. C. Hoehne, to The Donley Brothers Co. Fireplace. 212,948, 12-17-68, Cl. D23—97.
Toffolon, Siro R., to The International Silver Co. Fork or similar article of flatware. 209,859, 1-9-68, Cl. D54—12.
Toffolon, Siro R., to The International Silver Co. Fork or similar article of flatware. 209,920, 1-16-68, Cl. D54—12.
Toffolon, Siro R., to The International Silver Co. Fork or similar article of flatware. 211,404, 6-11-68, Cl. D54—12.
Toffolon, Siro R., to The International Silver Co. Fork or similar article of flatware. 212,908, 12-10-68, Cl. D54—12.
Tokar, Zoltan B. Combined clock, picture frame and support for a portable radio or the like. 211,894, 8-6-68, Cl. D42—7.
Tokar, Zoltan B. Combined wristwatch and locket. 211,897, 8-6-68, Cl. D42—8.
Tokyo Kagaku Kabushikikaisha: *See*—
Mabuchi, Takaichi. 212,244.
Tolar, James H., to Tenna Corp. Cartridge-type tape recorder. 211,178, 5-28-68, Cl. D26—14.
Toledo Scale Corp.: *See*—
Golding, Frank E. 209,922.
Tomaiuolo, Theodore J. Hand gripper for holding fish. 210,482, 3-12-68, Cl. D44—29.
Tomchin, Ronald E. Broach or similar article. 212,118, 8-27-68, Cl. D45—19.
Tomkinson, Stanley E., to General Electric Co. End frame for a dynamoelectric machine. 210,213, 2-20-68, Cl. D26—5.
Tomkinson, Stanley E., to General Electric Co. Dynamoelectric machine. 210,214, 2-20-68, Cl. D26—5.
Tomko, Charles L. Figurine or similar article. 210,736, 4-9-68, Cl. D34—4.
Tomlin, Robert D., to Magnatex Ltd. Windscreen wiper. 211,570, 7-2-68, Cl. D14—6.
Tomolak, Thomas: *See*—
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Tompkins, David D.: *See*—
Macaulay, Delmar F., and Tompkins. 210,003.
Macaulay, Delmar F., and Tompkins. 211,003.
Tompkins, David D., to The Corrugated Container Co. Liquid dispensing container for milk or the like. 209,894, 1-9-68, Cl. D94—3.
Tompkins, David D., to The Corrugated Container Co. Dispensing container for milk or the like. 212,212, 9-17-68, Cl. D9—175.
Tompsett, Eldon L. Bicycle rack. 211,707, 7-16-68, Cl. D90—18.
Tong, Duncan. Collapsible stand for Christmas trees. 212,297, 9-24-68, Cl. D35—3.
Toombs, Mary A. Portable garment rack. 212,887, 12-10-68, Cl. D33—3.
Torlone, John T. Miniature shrine or the like. 212,954, 12-17-68, Cl. D29—23.
Toro Mfg. Corp.: *See*—
Hasenbank, Kenneth N. 212,036.
Speiser, Ralph W., and Lindquist. 212,491.
Torr Laboratories, Inc.: *See*—
De Lucia, Victor E. 212,144.
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Cavagnero, Erman V., Sheffield, and Morro. 209,921.
Tortorici, Joseph C. Game board. 212,543, 10-29-68, Cl. D34—5.
Tosler, Arthur R. D. Car buffer. 212,448, 10-15-68, Cl. D66—2.
Towlsaver, Inc.: *See*—
Tucker, Council A. 212,010.
Tradeport, Inc.: *See*—
Alonco, Denis R., and Hanayama. 209,912.
Traub, Susan K. Wall plaque. 212,366, 10-8-68, Cl. D29—23.
Tregurtha, William G., and H. J. Greene. Illuminated game display panel or the like. 212,625, 11-5-68, Cl. D34—5.
Tregurtha, William G., and H. J. Greene. Illuminated game display board or the like. 212,626, 11-5-68, Cl. D34—5.
Tregurtha, William G., and H. J. Greene. Illuminated game display board or the like. 212,627, 11-5-68, Cl. D34—5.
Tregurtha, William G., and H. J. Greene. Illuminated game display board or the like. 212,628, 11-5-68, Cl. D34—5.
Trembath, Robert S., to Whirlpool Corp. Washing machine agitator. 210,240, 2-20-68, Cl. D49—1.
Treu, Donald D. Rotatable rack for storing record albums or similar articles. 210,295, 2-27-68, Cl. D33—8.
Treu, Donald D. Rotatable rack for storing record albums or similar articles. 210,296, 2-27-68, Cl. D33—3.
Treu, Donald D. Rotatable rack for storing record albums or similar articles. 210,785, 4-16-68, Cl. D33—3.
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Teagno, Wladimiro, and Trevisiol. 212,330.
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Bauer, Stefan G., Hopper, and Trigg. 212,405.
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Brooks, Sheldon C. 209,800.
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Trivellini, Spartaco: *See*—
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Reibold, Elmer L., Timpe, and Trivellini. 211,547.
Trogan, Joseph J. Display stand. 211,222, 5-28-68, Cl. D80—9.
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Troy, Elbert C., to National Engineering Co. Mixer plow. 212,556, 10-29-68, Cl. D55—1.
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Coolbaugh, Richard W., and Trudel. 209,883.
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Trylowsky, Wasyl. Stocking. 213,036, 12-31-68, Cl. D2—342.
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Golden, Gerald J., Walker, and Tsuji. 211,210.
Tsukamoto, Kenkichi. Stereo phonograph cartridge. 210,883, 4-30-68, Cl. D26—14.
Tucker, Council A., to Towlsaver, Inc. Toilet tissue dispenser. 212,010, 8-20-68, Cl. D33—31.
Tudor Metal Products Corp.: *See*—
Payne, Calvin L., Jr. 210,137.
Tughan, Samuel, to G. H. Wood Co. Ltd. Deodorant container. 212,753, 11-19-68, Cl. D23—150.
Turco Mfg. Co.: *See*—
Cross, Earl G. 210,228.
Turner, Lee A. Tornado shelter. 211,783, 7-30-68, Cl. D13—1.
Turner, Lloyd S., ¼ each to R. B. Evanoff, E. Damia, and E. Wiser. Aerial toy. 212,699, 11-12-68, Cl. D34—15.
Tusa, John, to The British Bata Shoe Co. Ltd. Football shoe. 210,864, 4-30-68, Cl. D2—309.
Tuschman, Moe, to Sarong, Inc. Brassiere. 210,761, 4-16-68, Cl. D2—24.
Tuthill, John B., and W. A. Claunch, to American Dish Service of Kansas City, Missouri, Inc. Rotatable water manifold for dish washing machines. 212,121, 8-27-68, Cl. 49—1.
Tuthill, Roger W., H. T. Hutton, Jr., and L. C. Smith, to Air Reduction Co., Inc. Pressure regulating instrument. 210,944, 5-7-68, Cl. D23—21.
Tuvert, Johan E. Bed roll. 212,149, 9-3-68, Cl. D5—2.
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Tyler, Daniel W., to Bell Telephone Laboratories, Inc. Base for a telephone wall set. 210,774, 4-16-68, Cl. D26—14.
Tyler, Richard K. Night light. 210,683, 4-2-68, Cl. D48—20.

Tyler, Richard K. Night light. 212,707, 11-12-68, Cl. D48—20.
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Tyson, John F., to Northern Electric Co. Ltd. Handset for telephone instrument. 209,910, 1-16-68, Cl. D26—14.
Tyson, John F., to Northern Electric Co. Ltd. Base for telephone instrument. 212,423, 10-15-68, Cl. D26—14.
Tyson, John F., to Northern Electric Co., Ltd. Telephone instrument. 212,691, 11-12-68, Cl. D26—14.
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Lankford, William A., and Gilliland. 211,351.
Udin, Albert. Window guard. 209,818, 1-9-68, Cl. D13—1.
Ueda, Takaati, to Koyo Kikai Kogyo Kabushiki Kaisha. Sewing machine. 211,425, 6-11-68, Cl. D70—1.
Ueno, Yukio, to Kyowa Rubber Industry Co., Ltd. Tire. 211,148, 5-21-68, Cl. D90—20.
Uldall, Falle, to Hutzler Mfg. Co. Spatula. 211,656, 7-9-68, Cl. D44—29.
Ulicny, Joseph B. Housing for pulling mechanism. 211,198, 5-28-68, Cl. D41—1.
Ullman, Frederick E., to Inland Steel Co. Shipping container. 211,855, 8-6-68, Cl. D9—170.
Ullman, Frederick E., to Inland Steel Co. Shipping container. 211,856, 8-6-68, Cl. D9—170.
Ullmann, Henry, to The Mettoy Co., Ltd. Display carton. 211,321, 6-11-68, Cl. D9—242.
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Unter, Robert K., to National Lock Co. Coin box door front for vending machines or the like. 211,125, 5-21-68, Cl. D52—3.
Unter, Robert K., to National Lock Co. Coin box door front for vending machines or the like. 211,126, 5-21-68, Cl. D52—3.
Unter, Robert K., to National Lock Co. Coin box door front for vending machines or the like. 211,127, 5-21-68, Cl. D52—3.
Unter, Robert K., to National Lock Co. Connected key bows. 212,713, 11-12-68, Cl. D50—4.
Unter, Robert K., to National Lock Co. Coin box door front for vending machines or the like. 213,018, 12-24-68, Cl. D52—3.
Unter, Robert K. Coin box door front for vending machines or the like. 213,019, 12-24-68, Cl. D52—3.
Updegraff, Alfred V., and L. A. Beyer, to Hayes Mfg. Co. Carrying handle for a bottle or the like. 211,322, 6-11-68, Cl. D9—291.
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Urban, Charles T., and J. Defauw, to American Plating and Mfg. Co. Music holder for attachment to musical instrument. 210,834, 4-23-68, Cl. D33—10.
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Valente, Michael J. Jingle stick. 211,964, 8-13-68, Cl. D56—1.
Valis, Henrietta. Doll, or similar article. 210,392, 3-5-68, Cl. D34—4.
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Vanderbilt, Suzanne E., to American Safety Equipment Corp. of Michigan. Safety helmet. 212,667, 11-12-68, Cl. D2—231.
Vanderhyde, Harold J., to The Procter & Gamble Co. Bar of soap. 209,881, 1-9-68, Cl. D73—1.
Vanderhyde, Harold J., to The Procter & Gamble Co. Cap for a jug or the like. 210,447, 3-12-68, Cl. D9—285.
Vanderhyde, Harold J., to The Procter & Gamble Co. Jug. 210,568, 3-26-68, Cl. D9—42.
Vanderhyde, Harold J., to The Procter & Gamble Co. Bottle or similar article. 210,571, 3-26-68, Cl. D9—87.
Vanderhyde, Harold J., to The Procter & Gamble Co. Bottle. 210,626, 3-26-68, Cl. D58—6.
Vanderhyde, Harold J., to The Procter & Gamble Co. Jar. 210,700, 4-2-68, Cl. D58—25.
Vanderhyde, Harold J., to The Procter & Gamble Co. Bottle. 211,002, 5-14-68, Cl. D9—60.
Vanderhyde, Harold J., to The Procter & Gamble Co. Bottle. 211,005, 5-14-68, Cl. D9—129.
Vanderhyde, Harold J., to The Procter & Gamble Co. Dispensing container for powdered products or the like. 211,504, 6-25-68, Cl. D9—44.
Vanderhyde, Harold J., to The Procter & Gamble Co. Bottle or similar article. 211,509, 6-25-68, Cl. D9—92.
Vanderhyde, Harold J., to The Procter & Gamble Co. Jug. 212,456, 10-22-68, Cl. D9—42.
Vanderhyde, Harold J., to The Procter & Gamble Co. Dispensing closure. 212,463, 10-22-68, Cl. D9—275.
Van der Linden, Donald, to Motorola, Inc. Reader for punched cards and mark-sense documents. 212,476, 10-22-68, Cl. D26—5.
Van der Poel, Rebertus, to North American Philips Co., Inc. Pocket dictating machine. 211,093, 5-21-68, Cl. D26—14.
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Van Poppel, Albertus. Disposable lighter. 212,828, 11-26-68, Cl. D48—27.
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Conde, Jose A. 210,163.
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Venema, William, to Vemaline Products Co., Inc. Printed circuit board module. 210,286, 2–27–68, Cl. D26—5.
Venema, William, to Vemaline Products Co., Inc. Printed circuit board module. 210,287, 2–27–68, Cl. D26—5.
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Verrecchia, Alfeo, to Gem-Craft, Inc. Jewelry display stand. 210,988, 5–7–68, Cl. D80—9.
Versteeg, James H., and L. H. Peters, to Union Carbide Corp. Case for beverage containers. 209,864, 1–9–68, Cl. D58—5.
Vesely, Donald V., and D. R. Dalpiaz, to Guardian Light Co. Outdoor lighting fixture. 212,899, 12–10–68, Cl. D48—31.
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Victorero, Ricardo. Portable seat. 212,880, 12–10–68, Cl. D15—8.
Vigna, Ralph M. Photographic film processor or similar article. 212,976, 12–17–68, Cl. D61—1.
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Cook, John A. 210,946.
Vilegi, Stephen M., and L. H. Peters, to Union Carbide Corp. Carrier for bakery goods or the like. 211,842, 7–30–68, Cl. D87—1.
Villa, Luis F. Combined public address loudspeaker and emergency telephone. 210,667, 4–2–68, Cl. D26—14.
Villa, Luis F. Outdoor indirect street lamp. 210,907, 4–30–68, Cl. D48—31.
Vogt, Noland E.: *See*—
Gruye, Dale W., Sommers, Vogt, and McCroskey. 212,950.
Vogt, Noland E., and R. D. Ropp, to International Video Corp. Case for a magnetic tape recorder or similar article. 211,027. 5–14–68, Cl. D26—14.
Vogt, Richard L. Adjustable flower pot holder bracket or the like. 210,472, 3–12–68, Cl. D35—3.
Vohs, John K., to The Goodyear Tire & Rubber Co. Tire. 211,771. 7–23–68. Cl. D90—20.
Volt, W. J., Rubber Corp.: *See*—
Baker, John J. 210,394.
Liebscher, Arthur E. 209,992.
Myers, Dean W. 212,103.
Volk, Stanley W. Free standing fireplace. 210,375, 3–5–68, Cl. D23—97.
Vondergoltz, George E., to Stran-Steel Corp. Building trim and gutter structure. 212,080, 8–27–68, Cl. D13—1.
Von Heck, Robert. Child's training chair. 212,472, 10–22–68, Cl. D23—53.
Von Meyer, Walter G. Timer with floating indicator. 211,268, 6–4–68, Cl. D42—7.
Von Schrader Mfg. Co.: *See*—
Schowalter, Lewis G. 212,246.
Vöster, Reinhold, and E. Schnell. Heel support for a ski binding. 209,762. 1–2–68, Cl. D34—14.
Voytech, Charles F. Bicycle frame. 211,225, 5–28–68, D90—8.
Voytech, Charles F. Front fork for a bicycle. 212,454, 10–15–68, Cl. D90—9.
Vroman, Albert L., and L. E. Boucher, to A.D.L. Cement Products, Inc. Liquid storage tank. 211,723. 7–23–68, Cl. D23—2.
Vulcan Mfg. Co., Inc.: *See*—
Hilleman, George L. 212,305.
Vulcan Radiator Co., The: *See*—
Sand, Robert H. 211,730.
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Zolkower, Helen, and Wachler. 212,982.
Wacker, Lewis D. Stopping distance computer for a key chain. 212,042, 8–20–68, Cl. D52—6.
Wadsita, Michael P., to Uniroyal Inc. Shipping container. 211,858. 8–6–68, Cl. D9—222.
Wagner, Josef. Spray gun. 212,153, 9–3–68, Cl. D23—17.
Wahl, Clipper Corp.: *See*—
Mango, Joseph R., and Meyer. 212,710.
Wahlin, Fred W., to Spraying Systems Co. Handle for a spray gun. 212,610. 11–5–68, Cl. D23—17.
Wakai, Noboru. Ink marker or the like. 209,994, 1–23–68, Cl. D74—17.
Wakai, Noboru, to Dai Nihon Bungu Co., Ltd. Ink marking instrument or the like. 210,433, 3–5–68, Cl. D74—17.
Wakai, Noboru, to Dainihon Bungu Kabushiki Kaisha. Mechanical pencil. 210,810, 4–16–68, Cl. D74—17.
Wakeman, Alfred W., to The Risdon Mfg. Co. Dispenser top for a pressurized can. 212,737, 11–19–68, Cl. D9—258.
Wakeman, Alfred W., to The Risdon Mfg. Co. Dispenser top for a pressurized can. 212,738, 11–19–68, Cl. D9—258.
Wald Mfg. Co., Inc.: *See*—
Pawsat, Ruben L. 211,144.
Waligorski, Gordon J., and J. J. J. Stanton. Laboratory spectrophotometer. 209,823, 1–9–68, Cl. D16—2.
Walker, Ben. Display stand for cosmetics. 210,055, 1–30–68, Cl. D80—9.
Walker, Ben. Velocipede attachment toy or similar article. 213,082, 12–31–68, Cl. D90—1.
Walker, Crosweller & Co. Ltd.: *See*—
Barker, Clifford L. 209,805.
Barker, Clifford L. 212,535.
Walker, James E.: *See*—
Golden, Gerald J., Walker, and Tsuji. 211,210.
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Gregg, Paul V. 210,071.
Walker, Mickey V.: *See*—
Wilder, Donald M., and Walker. 211,918.
Walker, Norma G. Clinical thermometer holder. 212,314. 9–24–68, Cl. D83—1.
Walkinshaw, Thomas G., to Cramer Industries, Inc. Swivel chair. 211,461, 6–18–68, Cl. D15—1.
Wallace, Clarence. Tongue depressor. 212,453, 10–15–68, Cl. D83—12.
Wallace, Earl C., to General Engineering & Mfg. Corp. Cartop carrying case. 210,873, 4–30–68, Cl. D14—27.
Wallace, Robert E.: *See*—
Garland, Thomas N. 212,792.
Wallace, Willie J. Hand rest for guitars or similar article. 210,851, 4–23–68, Cl. D56—1.
Wallance, Donald A., to H. E. Lauffer Co. Carving fork. 210,318, 2–27–68, Cl. D54—12.
Wallance, Donald A., to H. E. Lauffer Co. Fork. 210,319, 2–27–68, Cl. D54—12.
Wallance, Donald A., to H. E. Lauffer Co. Knife. 210,346, 2–27–68, Cl. D95—3.
Wallance, Donald A., to H. E. Lauffer Co. Carving knife. 210,509, 3–12–68, Cl. D95—3.
Waller, Frederick S., and J. E. Reed, to Sunbeam Corp. Kettle. 211,273. 6–4–68, Cl. D44—25.
Wallestad, Victor C., to Fluoroware, Inc. Dip basket for chemically treating objects. 212,605, 11–5–68, Cl. D16—1.
Walter, Richard T., to Container Corp. of America. Egg carton. 210,515, 3–19–68, Cl. D9—190.
Walz, David K., to Orkin Exterminating Co., Inc. Cover for fire alarm or similar article. 213,027, 12–24–68, Cl. D72—1.
Walz, David K., to Orkin Exterminating Co., Inc. Cover for fire alarm or similar article. 213,028, 12–24–68, Cl. D72—1.
Ward, Elmer A. Combination boat and canopy for the bed of a pick-up vehicle and the like. 210,522, 3–19–68, Cl. D14—27.
Ward, Gary H., to Gerber Products Co. Pour spout. 212,526, 10–29–68, Cl. D9—290.
Warner, Daniel S. Golf tee. 210,837, 4–23–68, Cl. D34—5.
Warner, Edgar P. Traffic signal. 211,614, 7–2–68, Cl. D72—1.
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Albrecht, Leonard N. 210,523.
Albrecht, Leonard N. 210,721.
Anthon, Erik W. 210,720.
O'Brien, Donald Q. 210,549.
Shindler, Anthony. 209,780.
Stehl, George R. 209,953.
Stehl, George R. 213,041.
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Cordes, Edward V., Jr. 211,579.
Cordes, Edward V., Jr. 211,580.
Dase, Howard W. 212,307.
Warrell, Lincoln A., to Pennsylvania Dutch Co., Inc. Closure cap for a jar or the like. 211,775, 7–30–68, Cl. D9—274.
Warrell, Lincoln A., to Pennsylvania Dutch Co., Inc. Closure cap for a jar or the like. 211,776, 7–30–68, Cl. D9—274.
Warren, Owen. Mug or similar article. 212,546, 10–29–68, Cl. D44—9.
Warren Pumps, Inc.: *See*—
Zallis, Albert A. 210,706.
Warwick Electronics, Inc.: *See*—
Cutler, Stanley, and Tichenor. 212,343.
Kaminski, Donald F. 212,912.
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Watson, Thomas S. 213,021.
Watson, Don R. Trailer dolly. 211,013, 5–14–68, Cl. D14—3.
Watson, John A., to Hurst-Campbell, Inc. Handle for gear shift lever. 209,902, 1–16–68, Cl. D14—6.
Watson, Kenneth C. Set of nesting chessmen. 211,590, 7–2–68, Cl. D34—5.
Watson, Robert E. Roll paper dispenser. 212,101, 8–27–68, Cl. D33—31.
Watson, Thomas S., to Watson Bros. Pedestal support for a balance or similar article. 213,021, 12–24–68, Cl. D52—10.
Watt, William D., Jr., to Keeler Brass Co. Backplate for drawer pulls or the like. 210,801, 4–16–68, Cl. D50—6.
Watt, William D., Jr., to Keeler Brass Co. Backplate for drawer pulls or the like. 210,802, 4–16–68, Cl. D50—6.
Wayne, Mark. Combined hammer attachment and file. 212,797. 11–19–68, Cl. D93—4.

Webb, Everette L.: *See*—
Sutter, Joseph F., Brown, Finlay, Heinemann, Plewes, and Webb. 212,564.
Webb, Jervis B., Co.: *See*—
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Mahoney, James J., and Weckesser. 210,179.
Weckman, Richard L., to Owens-Illinois, Inc. Bottle. 210,189, 2–20–68, Cl. D9—25.
Weckman, Richard L., to Owens-Illinois, Inc. Bottle. 212,278, 9–24–68, Cl. D9—143.
Weckman, Richard L., to Owens-Illinois, Inc. Bottle. 212,524, 10–29–68, Cl. D9—126.
Weckman, Richard L., to Owens-Illinois, Inc. Bottle. 212,669, 11–12–68, Cl. D9—42.
Weckman, Richard L., to Owens-Illinois, Inc. Bottle. 212,672, 11–12–68, Cl. D9—111.
Wed Enterprises, Inc.: *See*—
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McGinnis, George F. 213,057.
Weiner, Ann, to Ellson of California. Fabric for garments. 209,893, 1–9–68, Cl. D92—1.
Weinstein, Morris L., and G. L. Rosenberg, to I. Schneid, Inc. Deodorant block supporting basket. 211,575, 7–2–68, Cl. D23—150.
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Steinkamp, Norman A., and Weir. 212,816.
Steinkamp, Norman A., and Weir. 212,817.
Weir, George R., to Sunbeam Corp. Hair dryness indicator. 211,766, 7–23–68, Cl. D86—8.
Weir, James A., and G. W. Holmes. Medicine cup. 211,817, 7–30–68, Cl. D44—9.
Weisgal, Solomon A.: *See*—
Mestrovic, Robert T. 210,237.
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Weiss, Charles M., and D. H. Linn, to S. S. White Co. Dental instrument supporting unit. 212,949, 12–17–68, Cl. D24—1.
Weissmann, David: *See*—
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Weissmann, David, to Mattel, Inc. Combined locket and doll. 210,406, 3–5–68, Cl. D45—15.
Weisz, George R. Building front. 211,325, 6–11–68, Cl. D13—1.
Weitzman, Mark R., to Corning Glass Works. Plate or similar article. 212,112, 8–27–68, Cl. D44—15.
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Emery, Ernest M., Wellnitz, and Chaparro. 212,568.
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Wender, Margaret R. Beaded artificial tree or the like. 212,008, 8–20–68, Cl. D29—1.
Wender, Margaret R. Beaded floral candleholder decoration. 212,037, 8–20–68, Cl. D48—2.
Wendt, Carol: *See*—
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Wentzel, James L. Footed tumbler. 211,038, 5–14–68, Cl. D36—8.
Wentzel, James L., to Plastics, Inc. Goblet or the like. 211,891, 8–6–68, Cl. D36—8.
Werber, Fred C., and R. Graves. Shockcord furling gear. 212,835, 11–26–68, Cl. D71—1.
Werner, Charles H. Vase. 210,600, 3–26–68, Cl. D29—28.
Werner, George E. Folding exercise board. 210,083, 2–6–68, Cl. D34—5.
West, William R., to Saxons Inc. Building. 212,467, 10–22–68, Cl. D13—1.
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Baxendell, Charles D. 209,905.
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Ryckman, Peter N., and Sparks. 212,994.
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Weston, Jackie W. Television antenna. 211,181, 5–28–68, Cl. D26—14.
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Wharmby, Charles A., Jr. Decorative Christmas tree base. 212,106, 8–27–68, Cl. D35—3.
Wheeler, Joseph S., Jr. Ceramic trim tile. 212,749, 11–19–68, Cl. D18—2.
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White, William G., to E. I. du Point de Nemours and Company. Cap for an aerosol package. 212,873, 12–10–68, Cl. D9—258.
White, Winsor D., Jr., to D. H. Baldwin Co. Organ console. 210,492, 3–12–68, Cl. D56—2.
White, Winsor D., Jr., to D. H. Baldwin Co. Piano case. 210,495, 3–12–68, Cl. D56—9.
White, Winsor D., Jr., to D. H. Baldwin Co. Piano case. 210,496, 3–12–68, Cl. D56—9.
White, Winsor D., Jr., to D. H. Baldwin Co. Piano case. 210,497, 3–12–68, Cl. D56—9.
White, Winsor D., Jr., to D. H. Baldwin Co. Piano case. 210,498, 3–12–68, Cl. D56—9.
White, Winsor D., Jr., to D. H. Baldwin Co. Piano case. 210,499, 3–12–68, Cl. D56—9.
White, Winsor D., Jr., to D. H. Baldwin Co. Organ console. 211,410, 6–11–68, Cl. D56—2.
White, Winsor D., Jr., to D. H. Baldwin Co. Organ console. 212,128, 8–27–68, Cl. D56—2.
White, Winsor D., Jr., to D. H. Baldwin Co. Organ console. 212,558, 10–29–68, Cl. D56—2.
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Kocher, Alfred L., and Wiedemann. 210,876.
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Wilcox, Ernest J. Trapping tool or similar article. 211,242, 6–4–68, Cl. D22—18.
Wilder, Dallas R. Loudspeaker cabinet. 211,091, 5–21–68, Cl. D26—14.
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Wildgen, Leo F., to Arthur Salm, Inc. Platter or the like. 211,486, 6–18–68, Cl. D44—10.
Wildgen, Leo F., to Arthur Salem, Inc. Combined letter opener and knife or similar article. 213,029, 12–24–68, Cl. D74—10.
Wildgen, Leo F., and A. J. Stahel, to Arthur Salm, Inc. Combination letter opener and knife or the like. 210,176, 2–13–68, Cl. D74—11.
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Kimbell, William P. 213,015.
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Williams, Bailey C. Building or the like. 211,980, 8–20–68, Cl. D13—1.
Williams, Bailey C. Barbeque grill or the like. 212,268, 9–17–68, Cl. D81—10.
Williams, James R., to AMP Inc. Card reader imprinter. 210,217, 2–20–68, Cl. D26—5.
Williams, James R., to AMP Inc. Card reader. 210,218, 2–20–68, Cl. D26—5.
Williams, Marguerite R. Panty girdle. 211,233, 6–4–68, Cl. D2—4.
Williams, Willie V. Portable gun for splicing synthetic yarn. 210,313, 2–27–68, Cl. D47—5.
Williamson, Ellen M. Combined spool and thread holder. 210,927, 5–7–68, Cl. D3—19.
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Willoughby, Connie C., to Cannon Mills Co. Bed sheet or similar article of bed linen. 212,924, 12–10–68, Cl. D92—26.
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Wilson, James H., to Afico S.A. Jar. 211,156, 5–28–68, Cl. D9—115.
Wilson, Norman E., to The Puro Co., Inc. Holder for evaporative blocks. 212,420, 10–15–68, Cl. D23—150.
Wilson, Ruth N., and A. R. Davis. Combined tray, pressing iron holder and racks for liquid containers of water, starch or the like. 211,603, 7–2–68, Cl. D45—6.
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Wilson, Woodrow S., to Polytop Corp. Dispensing cap. 209,934, 1–16–68, Cl. D58—26.
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Ivanhoe, Abraham J. 210,654.
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Winegardner, Donald E. Electric fireplace. 211,879, 8–6–68, Cl. D23—94.
Winkler, Erhard M. Camera body and cone. 211,759, 7–23–68, Cl. D61—1.
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Wolfe, Russell J. Dispensary rack. 212,514, 10–22–68, Cl. D83—1.
Wolski, Ernest J. Pill dispenser. 210,816, 2–27–68, Cl. D52—2.
Wong, Show-Ling, to China Plastics Co. Ltd. Controller unit for electrically operable toys. 212,240, 9–17–68, Cl. D34—15.
Wood, Commodore V., Sr. Service platform ladder. 212,471, 10–22–68, Cl. D15—8.
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Woodman, Gerald A. Three-dimensional plastic panel. 210,518, 3–19–68, Cl. D13—1.
Woodman, Gerald A. Three-dimensional plastic panel. 212,044, 8–20–68, Cl. D54—2.
Woodruff, Charles, to Port-A-Films Presentations, Inc. Motion picture projector control. 212,803, 11–26–68, Cl. D26—13.
Woodruff, William W., and V. E. Rhinehart, to Cumberland Corp. Carrying case for bottles or the like. 212,074, 8–27–68, Cl. D9—177.
Woods, Leroy R. Lighting fixture stand. 211,390, 6–11–68, Cl. D48—20.
Woods, Richard L. Multi-purpose tool for fire fighting. 210,141. 2–13–68. Cl. D41—1.
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Zalis, Albert A., to Warren Pumps, Inc. Pump. 210,706, 4–2–68, Cl. D65—1.
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Zeller, Herbert J., to Motorola, Inc. Control panel for a combined radio and phonograph or similar article. 213,023, 12–24–68, Cl. D56—4.
Zeller, Herbert J., to Motorola, Inc. Control panel for a combined radio and phonograph or similar article. 213,024, 12–24–68, Cl. D56—4.
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Zick, Ronald W., to Jamison, Inc. Child's climbing apparatus or similar article. 211,649, 7–9–68, Cl. D34—5.
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Zick, Ronald W., to Jamison, Inc. Simulated space gun or similar article. 212,957, 12–17–68, Cl. D34—15.
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Zijistra, Rudolph B., to North American Philips Co., Inc. Vacuum cleaner. 212,040, 8–20–68, Cl. D49—14.3.
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Ziskal, Robert J. Combination step ladder and cart. 212,875, 12–10–68, Cl. D14—3.
Zolkower, Helen, and N. G. Wachler. Display stand for jewelry. 212,982, 12–17–68, Cl. D80—9.
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Zorn, Edward, and B. J. Sherwood, to Chemplate Corp. Bumper and hitch combination. 211,987, 8–20–68, Cl. D14—6.
Zucconi, Bruno. Antenna housing. 211,028, 5–14–68, Cl. D26—14.
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Zweifel, Charles H., and L. A. Wright, to Pacific Coast Engineering Co. Sliding crane. 211,266, 6–4–68, Cl. D41—1.
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Armstrong, David L., to Armstrong Nurseries, Inc. Rose plant. 2,844, 11–12–68, Cl. 20.
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Armstrong, David L., to Armstrong Nurseries, Inc. Rose plant. 2,849, 12–3–68, Cl. 24.
Armstrong, David L., and H. C. Swim, to Armstrong Nurseries, Inc. Rose plant. 2,829, 8–20–68, Cl. 18.
Armstrong, David L., and H. C. Swim, to Armstrong Nurseries, Inc. Rose plant. 2,832, 9–10–68, Cl. 20.
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Asper, James H., to Select Camellias, Inc. Camellia plant. 2,798, 3–5–68, Cl. 62.
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Mansuino, Quinto. 2,833.
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Flemer, William, III. 2,795.
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Flemer, William, III, to Treesearch. Crab apple tree. 2,801, 3–12–68, Cl. 34.
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Griesbach, Robert A., to Selected Glads, Inc. Gladiolus plant. 2,791, 1–28–68, Cl. 85.
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Swim, Herbert C., and O. L. Weeks, to O. L. Weeks, d.b.a. Weeks Wholesale Rose Grower. Rose plant. 2,853, 12–31–68, Cl. 14.
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LIST OF DISCLAIMERS AND DEDICATIONS

Adamson, Bliss, Jr., Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 3,075,462; v. 848; p. 860.

Alderson, Ross C., Minneapolis, Minn., and Benjamin Carpenter, Lake Forest, Ill., deceased, by Walter T. Fisher, Chicago, Ill. Disclaimer filed June 6, 1968, by the assignee, Honeywell Inc. No. 2,993,664; v. 856; p. 665.

Allen, Max L., Portland, Oreg. Disclaimer filed Mar. 6, 1968, by the inventor. No. 3,315,758; v. 849; p. 568.

Anderson, Frank J., Laramie, Wyo. Disclaimer filed Mar. 1, 1968, by the assignee, Monolith Portland Midwest Company. No. 2,895,725; v. 852; p. 2.

Atwood, Theodore, Sparta, N.J. Disclaimer filed June 20, 1938, by the assignee, Allied Chemical Corporation. No. 3,300,996; v. 856; p. 666.

Babcock, John C., Portage Township, J. Allan Campbell and John A. Hogg, Kalamazoo Township, Kalamazoo County, Mich. Disclaimer filed Apr. 19, 1968, by the inventors; the assignee, The Upjohn Company, assenting. No. 2,916,486; v. 851; p. 631.

Badewitz, Charles J., San Diego, Calif. Disclaimer filed Feb. 19, 1968, by the assignee, The Ryan Aeronautical Co. No. 3,362,024; v. 849; p. 569.

Belcher, Daniel, Minneapolis, Minn., and Russell J. Williams, Richmond Heights, and Milton J. Helmos, Lemay, Mo. Dedication filed Apr. 26, 1968, by the assignee, Bemis Company, Inc. No. 2,662,578; v. 851; p. 631.

Bell, Frederick H., Arlington, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 2,960,930; v. 848; p. 293.

Bell, Stanley C., and Scott J. Childress, Philadelphia, Pa. Disclaimer filed Jan. 11, 1968, by the inventors and the assignee, American Home Products Corporation. No. 3,311,620; v. 849; p. 890.

Bennewitz, Robert H., Chicago, Ill., and Harland R. Hedlund, St. Paul, Minn. Disclaimer filed Feb. 26, 1968, by the assignee, Union Carbide Corporation. No. 3,266,956; v. 850; p. 4.

Blackburn, Alan B., Troy, Ohio. Disclaimer filed June 11, 1968, by the assignee, Hobart Brothers Company. No. 3,243,658; v. 856; p. 666.

Blanchard, André, Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,785,631; v. 847; p. 332.

Blanchard, André, and James B. Shore, Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,908,222; v. 848; p. 1.

Boesch, Roger, Vitry-sur-Seine, and Jean Metivier, Paris, France. Disclaimer filed Nov. 7, 1967, by the assignee, Rhone-Poulenc S.A. No. 3,337,575; v. 846; p. 2.

Bosch, Paul, Ludwigsburg, Germany. Disclaimer filed July 12, 1968, by the assignee, Robert Bosch G.m.b.H. No. 3,289,606; v. 857; p. 1005.

Braaten, Willard C., Waukegan, Ill. Disclaimer and dedication filed Apr. 30, 1968, by the assignee, Norse Chemical Corporation. No. 3,325,296; v. 851; p. 324.

Bricaud, Joseph M., Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,732,518; v. 847; p. 621.

Brown, Jack E., Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 3,057,297; v. 848; p. 571.

Butler, Robert W., Wilmington, Del. Dedication filed Feb. 15, 1968, by the assignee, Hercules Incorporated. No. 2,914,410; v. 850; p. 996.

Butler, Walter E., Los Gatos, Calif. Dedication filed Jan. 2, 1968, by the inventor. No. 2,801,765; v. 849; p. 889.

Cahn, Bernard, New York, N.Y. Disclaimer and dedication filed June 5, 1968, by the assignee, Affiliated Hospital Products, Inc. No. 3,069,167; v. 856; p. 665.

Caldwell, Blake M., and Harrold D. Owen, Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 3,067,679; v. 849; p. 1.

Caldwell, Blake M., and Harrold D. Owen, Fort Worth, Tex. Disclaimer and dedication filed, Nov. 14, 1967, by the assignee, Halliburton Company. No. 3,107,611; v. 848; p. 860.

Caldwell, Blake M., and Harrold D. Owen, Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 3,107,612; v. 848; p. 860.

Caldwell, Blake M., and Joe P. Wier, Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 3,067,678; v. 848; p. 572.

Caldwell, Blake M., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 2,878,676; v. 847; p. 920.

Caldwell, Blake M., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 2,883,932; v. 847; p. 920.

Caldwell, Blake M., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 2,912,930; v. 848; p. 1.

Caldwell, Blake M., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 2,927,644; v. 848; p. 1.

Caldwell, Blake M., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 2,981,185; v. 848; p. 571.

Caldwell, Blake M., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,077,834; v. 848; p. 860.

Caldwell, Blake M., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,121,322; v. 849; p. 1.

Caldwell, Blake M., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,147,707; v. 849; p. 568.

Carnall, Edward, Jr., Sherley E. Hatch, Le Roy S. Ladd and William F. Parsons, Rochester, N.Y. Disclaimer and dedication filed Nov. 9, 1967, by the assignee, Eastman Kodak Company. No. 3,365,271; v. 850; p. 3.

Carpenter, Benjamin, Lake Forest, Ill., deceased, by Elenor Bradley Carpenter and Benjamin Carpenter, Jr., Lake Forest, and Walter T. Fisher, Winnetka, Ill., as trustees. Disclaimer filed June 6, 1968, by the assignee, Honeywell Inc. No. 2,993,665; v. 856; p. 666.

Castel, Jacques H., Houston, Tex. Disclaimer and dedication filed Feb. 9, 1968, by the assignee, PGAC Development Co. No. 2,703,053; v. 849; p. 278.

Chow, Alfred W., Merchantville, N.J., and John R. E. Hoover, Glenside, Pa. Disclaimer filed Mar. 18, 1968, by the assignee, Smith Kline & French Laboratories. No. 3,197,466; v. 852; p. 2.

Christopher, Glenn B., Arlington, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,053,182; v. 848; p. 571.

Christopher, Glenn B., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,057,295; v. 848; p. 571.

Christopher, Glenn B., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,128,702; v. 849; p. 1.

Christopher, Glenn B., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,192,857; v. 849; p. 2.

Cirilo, Manuel, Puente, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,947,253; v. 848; p. 293.

Clements, Herbert Arthur, Weybridge, Surrey, and Robert Howard Heybourne, Thames, Ditton, Surrey, England. Disclaimer filed Dec. 13, 1967, by the assignee, S.S.S. Patents Limited. No. 3,279,273; v. 849; p. 568.

Collura, Peter C., Waltham, and Robert M. Hurley, Lexington, Mass., and Morton H. Robinson, Devon, Pa. Disclaimer filed June 7, 1968, by the assignee, Container Corporation of America. No. 3,263,899; v. 853; p. 882.

Corsette, Douglas F., Los Angeles, Calif. Dedication filed Jan. 4, 1968, by the assignee, Calmar Inc. No. 3,216,624; v. 850; p. 996.

Corsette, Douglas F., Los Angeles, Calif. Disclaimer and dedication filed Dec. 21, 1967, by the assignee, Diamond International Corporation. No. 3,216,624; v. 848; p. 293.

Cryderman, Wilfred G., and Arthur R. Marshall, Birmingham, Mich. Dedication filed Sept. 9, 1968, by the assignee, The Bishop and Babcock Corporation. No. 3,023,124; v. 855; p. 555.

De Carbo, Charles J., Cleveland Heights, and John W. Korda, East Cleveland, Ohio. Disclaimer filed Mar. 25, 1968, by the assignee, The Leece-Neville Company. No. 3,086,161; v. 850; p. 3.

Delacour, Jacques, Paris, France. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,792,783; v. 847; p. 332.

Delacour, Jacques, Paris, France. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,796,022; v. 847; p. 332.

Delacour, Jacques, Paris, France. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,849,953; v. 847; p. 920.

Denton, Bryce A., Ontario, Calif. Disclaimer filed Mar. 29, 1968, by the assignee, General Electric Company. No. 3,188,758; v. 852; p. 2.

Diebold, Joe B., Arlington, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,063,372; v. 848; p. 572.

Dixon, David A., San Anselmo, Calif. Disclaimer filed Nov. 20, 1967, by the assignee, Occidental Petroleum Corporation. No. 3,365,307; v. 849; p. 277.

Dobkins, Joe W., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 2,927,485; v. 848; p. 1.

Dorschu, Karl E., Basking Ridge, N.J. Disclaimer filed June 24, 1968, by the assignee, Air Reduction Company, Incorporated. No. 3,404,249; v. 857; p. 1005.

Driskell, John C., Sheffield, Ala. Disclaimer filed Nov. 20, 1967, by the assignee, Tennessee Valley Authority. No. 2,713,536; v. 847; p. 621.

Eberhart, Ray, Mishawaka, Ind. Disclaimer filed Mar. 11, 1968, by the inventor. No. 3,181,215; v. 850; p. 338.

Elliott, Richard M., Beverly, Mass. Disclaimer filed Dec. 8, 1967, by the assignee, United Shoe Machinery Corporation. No. 3,324,700; v. 849; p. 568.

Engert, Caspar F., Northlake, Ill. Disclaimer filed Nov. 22, 1967, by the assignee, National Starch and Chemical Corporation. No. 3,181,988; v. 846; p. 337.

Erikson, Robert W., and William Ray Kiefer, Rockford, Ill. Disclaimer filed June 5, 1968, by the assignee, Sundstrand Corporation. No. 2,931,314; v. 856; p. 665.

Fagan, Herbert C., Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,558,427; v. 847; p. 621.

Farmer, John, Kailua, Oahu, Hawaii. Disclaimer filed Dec. 19, 1967, by the assignee, Honolulu Iron Works Company. No. 3,036,920; v. 849; p. 568.

Filipowsky, Richard F. J., Constantine Prisekin, and Frank S. Davidson, Rockville, Md. Disclaimer filed Jan. 23, 1968, by the assignee, International Business Machines Corporation. No. 3,311,704; v. 847; p. 621.

Friend, Manuel N., Downey, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,857,843; v. 847; p. 920.

Gehrig, Neil E., Schuylkill Haven, Pa. Disclaimer filed May 20, 1968, by the inventor; the assignee, Atlas Chemical Industries, Inc. consenting. No. 3,376,176; v. 852; p. 1043.

Gillingham, Ernest L., Fort Worth, and Jack O. Grunwald, Arlington, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,116,690; v. 849; p. 278.

Gillingham, Ernest L., Fort Worth, and Jack O. Grunwald, Arlington, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,194,159; v. 849; p. 2.

Goldstein, Milton, Long Beach, N.Y. Disclaimer and dedication filed Apr. 24, 1968, by the assignees, John Barsha, A. Abba Orlinger, and Milton Goldstein, as trustees. No. 3,381,728; v. 853; p. 280.

Gregg, David Paul, Los Angeles, Calif. Corrected disclaimer filed Oct. 10, 1967, by the assignee, Winston Research Corporation. No. 3,112,360; v. 846; p. 2.

Hall, Richard Harrison, Syracuse, N.Y. Disclaimer filed Oct. 2, 1967, by the assignee, Xerox Corporation. No. 3,234,019; v. 846; p. 2.

Halpern, Alfred, Great Neck, Lake Success, N.Y. Disclaimer filed May 29, 1968, by the assignee, Synergistics, Inc. No. 3,274,055; v. 852; p. 509.

Hambach, August J., Richmond, Va. Disclaimer and dedication filed Apr. 15, 1968, by the assignee, Maremont Corporation. No. 3,198,447; v. 853; p. 279.

Hamill, Robert B., Great Bend, Kans. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 2,915,011; v. 848; p. 1.

Hanlon, George Andrew, Branford, and Albert James Garde, Milford, Conn. Disclaimer filed Nov. 20, 1968, by the assignee, The Whitney Blake Company. No. 3,406,514; v. 857; p. 1005.

Harcus, Robert Traill, Long Beach, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,764,938; v. 847; p. 332.

Harnden, Robert C., Memphis, Tenn., and John O. Moore, West Helena, Ark. Disclaimer filed Mar. 25, 1968, by the assignee, The Ansul Company. No. 3,342,584; v. 852; p. 2.

Harris, Joseph P., Berkeley, Calif. Disclaimer filed Jan. 26, 1968, by the inventor; the assignee, International Business Machines Corporation, assenting. No. 3,201,038; v. 849; p. 890.

Harvey, Edward William, Highland Park, N.J. Disclaimer filed Feb. 7, 1968, by the assignee, Allied Chemical Corporation. No. 2,855,286; v. 850; p. 995.

Harvey, Max J., Trenton, N.J. Disclaimer filed July 10, 1968, by the assignee, American Cyanamid Company. No. 3,185,573; v. 857; p. 1005.

Hatfield, Richard F., Stanford, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,138,054; v. 849; p. 2.

Hatfield, Richard F., Stanford, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,229,490; v. 849; p. 278.

Hergenrother, William L., Akron, Ohio. Disclaimer and dedication filed June 28, 1968, by the assignee, The Firestone Tire & Rubber Company. No. 3,372,185; v. 856; p. 665.

Hiersteiner, Walter L., Mission, Kans. Disclaimer filed Jan. 10, 1968, by the assignee, Tension Envelope Corporation. No. 3,159,329; v. 849; p. 890.

Hill, David H., Birmingham, Mich. Disclaimer filed Nov. 29, 1967, by the inventor and the assignee, General Motors Corporation. No. 3,144,541; v. 849; p. 1.

Himmelmann, Wolfgang, Cologne-Flittard, Hans Ulrich, Leverkusen, and Heinz Meckl, Cologne-Flittard, Germany. Disclaimer filed Dec. 26, 1967, by the assignee, Agfa Aktiengesellschaft. No. 3,226,234; v. 846; p. 1361.

Hodgson, Glen R., Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,811,921; v. 847; p. 332.

Hodgson, Glen Reid, Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,957,414; v. 848; p. 293.

Houck, Claude A., South Pasadena, and James V. Bradshaw, Los Angeles, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,883,931; v. 847; p. 920.

Howard, George C., Tulsa, Okla, and Blake M. Caldwell, Arlington, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignees, Pan American Petroleum Corporation and Halliburton Company. No. 2,935,020; v. 848; p. 2.

Hughes William N., Columbus, Wis. Disclaimer and dedication filed Mar. 4, 1968, by the assignee, Hughes Company Inc. No. 3,259,241; v. 852; p. 2.

Hungerford, Albert O., Kansas City, Mo., and Dale E. Jackson, Prairie Village, Kans. Dedication filed Apr. 24, 1968, by the assignee, E. I. du Pont de Nemours and Company. No. 3,265,556; v. 853; p. 279.

Jilly, Louis Frank, Inglewood, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,947,251; v. 848; p. 292.

Kappus, Peter G., Cincinnati, Ohio. Disclaimer filed Dec. 5, 1967, by the assignee, General Electric Company. No. 3,335,976; v. 846; p. 2.

Karow, George F., Saginaw, Mich. Disclaimer filed Jan. 23, 1968, by the inventor. No. 3,017,786; v. 849; p. 890.

Karr, William V., and Michael B. Karr, Columbus, Ohio. Disclaimer filed Jan. 17, 1968, by the inventors. No. 2,733,145; v. 849; p. 890.

Katzenmeyer, Edwin B., Akron, Ohio. Disclaimer filed June 12, 1968, by the assignee, The B. F. Goodrich Company. No. 3,347,406; v. 855; p. 267.

Kearns, Robert W., Detroit, Mich. Disclaimer filed July 9, 1968, by the inventor. No. 2,959,847; v. 857; p. 1005.

Kieslich, Klaus, Ulrich Kerb, and Gerhard Raspe, Berlin-Charlottenburg, Germany. Disclaimer filed June 4, 1968, by the assignee, Schering AG. No. 3,282,839; v. 856; p. 666.

Kirk, Harry V., Libertyville, Ill. Disclaimer filed Feb. 7, 1968, by the assignee, Cheshire Incorporated. No. 3,341,390; v. 850; p. 996.

Kjellstrom, Elving J., Oregon, Wis. Disclaimer and dedication filed May 1, 1968, by the inventor. No. 3,320,823; v. 851; p. 1.

Klein, Keith W., Simsbury, Conn. Disclaimer filed June 11, 1968, by the assignee, General Electric Company. No. 3,256,407; v. 854; p. 287.

Klotz, Robert L., Jr., Hazelton, Pa. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,779,278; v. 847; p. 332.

Knoechel, Edwin L., Harold E. Ross and Chester C. Sperry, Kalamazoo, Mich. Disclaimer filed Mar. 29, 1968, by the assignee, The Upjohn Company. No. 3,255,716; v. 852; p. 2.

Kuehn, Howard E., Orange, Conn. Disclaimer filed July 1, 1968, by the assignee, Farrel Corporation. No. 3,290,897; v. 854; p. 1.

Kulcsar, Frank, Cleveland, Ohio. Disclaimers filed Feb. 27, 1968, and Mar. 7, 1968, by the assignee, Clevite Corporation. No. 3,264,217; v. 850; p. 338.

Kurtz, Leonard D., Woodmere, N.Y. Disclaimer and dedication filed Apr. 22, 1968, by the assignee, Sutures Inc. No. 3,390,681; v. 855; p. 267.

Landfors, Arthur A., Sharon, Mass. Disclaimer filed Nov. 8, 1967, by the assignee, National Research Corporation. No. 3,362,622; v. 849; p. 277.

Lebourg, Maurice P., Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. Re. No. 25,407; v. 847; p. 621.

Lebourg, Maurice P., Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,766,690; v. 847; p. 332.

Lebourg, Maurice P., Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,846,948; v. 847; p. 919.

Lebourg, Maurice P., Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,847,072; v. 847; p. 920.

Le Duc, Joseph Adrien M., Short Hills, N.J. Disclaimer filed Oct. 26, 1967, by the assignee, Pullman Incorporated. No. 3,325,382; v. 846; p. 2.

Lenz, Charles E., Fullerton, Calif. Disclaimer filed Feb. 16, 1968, by the assignee, North American Rockwell Corporation. No. 3,316,503; v. 849; p. 568.

Lindsay, Will H., Jr., Fullerton, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,926,603; v. 848; p. 1.

Lindsay, Will H., Jr., Lawndale, and Robert A. Phillips, La Habra Heights, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,707,917; v. 847; p. 919.

Lindsay, Will H., Jr., Lawndale, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,947,252; v. 848; p. 293.

Loper, George B., Duncanville, Tex. Disclaimer filed May 8, 1968, by the assignee, Mobil Oil Corporation. No. 3,369,216; v. 851; p. 324.

Ludington, Varnum D., Greenwich, Conn., Robert E. Schara, Battle Creek, Mich., and Raymond E. Mohlie, Scituate, Mass. Disclaimer filed June 17, 1968, by the assignee, General Foods Corporation. No. 3,119,691; v. 856; p. 666.

Lytton, Kenneth G., Charles W. Barnes, and Cecil S. Wise, Gastonia, N.C. Disclaimer filed Jan. 3, 1968, by the assignee, Fiber Controls Corporation. Re. No. 25,609; v. 849; p. 889.

Madison, Norman L., Midland, Mich. Disclaimer filed Mar. 8, 1968, by the assignee, The Dow Chemical Company. No. 3,324,145; v. 852; p. 2.

Maier, Alfred E., Colonia, N.J. Disclaimer filed Oct. 31, 1967, by the assignee, Federal Pacific Electric Company. No. 3,258,561; v. 846; p. 2.

Malecki, George J., Chicago, Ill. Disclaimer filed Apr. 22, 1968, by the assignee, United States of America as represented by the Secretary of Agriculture. No. 3,818,082; v. 854; p. 842.

McDaniel, Raymond R., Akron, Ohio. Disclaimer filed Apr. 25, 1968, by the inventor. No. 3,396,243; v. 855; p. 267.

McKee, Donovan S., Oklahoma City, Okla. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,925,775; v. 848; p. 1.

McPherson, Paul M., Acton, Mass. Disclaimer filed May 29, 1968, by the inventor and the assignee, McPherson Instrument Corporation. No. 3,090,863; v. 852; p. 2.

Meddick, Lorrain D., Whittier, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,986,089; v. 848; p. 571.

Meddick, Lorrain D., Whittier, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 3,021,784; v. 848; p. 860.

Meddick, Lorrain D., Whittier, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 3,027,838; v. 848; p. 860.

Miller, Robert H., Western Springs, Ill. Dedication filed Aug. 20, 1968, by the assignee, Major Plastics, Inc. No. 3,280,820; v. 854; p. 841.

Miller, Robert H., Western Springs, Ill. Dedication filed Aug. 20, 1968, by the assignee, Major Plastics, Inc. No. 3,324,918; v. 854; p. 841.

Mills, Lindley E., Kalamazoo, Mich. Dedication filed June 26, 1968, by the inventor. Re. No. 24,918; v. 856; p. 665.

Mills, Lindley E., Kalamazoo, Mich. Dedication filed June 26, 1968, by the inventor. No. 2,575,354; v. 856; p. 665.

Mills, Lindley E., Kalamazoo, Mich. Dedication filed June 26, 1968, by the inventor. No. 2,618,510; v. 856; p. 665.

Mills, Lindley E., Kalamazoo, Mich. Dedication filed June 26, 1968, by the inventor. No. 2,624,120; v. 856; p. 665.

Mills, Lindley E., Kalamazoo, Mich. Dedication filed June 26, 1968, by the inventor. No. 2,638,760; v. 856; p. 665.

Mills, Lindley E., Kalamazoo, Mich. Dedication filed June 26, 1968, by the inventor. No. 2,963,875; v. 856; p. 665.

Mills, Lindley E., Kalamazoo County, Mich. Dedication filed June 26, 1968, by the inventor. No. 3,128,019; v. 856; p. 665.

Mills, Lindley E., Kalamazoo, Mich. Dedication filed June 26, 1968, by the inventor. No. 3,200,991; v. 856; p. 665.

Mills, Lindley E., Kalamazoo, Mich. Dedication filed June 26, 1968, by the inventor. No. 3,214,061; v. 856; p. 665.

Mohaupt, Henry H., Swampscott, Mass., and Bruce Gilbert, Dallas, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 2,765,739; v. 847; p. 622.

Mohaupt, Henry H., Swampscott, Mass. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 2,947,250; v. 848; p. 292.

Mohaupt, Henry Hans, Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 2,974,595; v. 848; p. 293.

Monks, Joseph R., Jr., Toledo, Ohio. Disclaimer filed Jan. 25, 1968, by the assignee, Owens-Illinois, Inc. Re. No. 26,328; v. 849; p. 890.

Müller, Paul Adolf, Triesenberg, Liechtenstein. Dedication filed May 17, 1968, by the inventor. No. 3,383,449; v. 855; p. 555.

Nicholson, John Stuart, and Stewart Sanders Adams, Nottingham, England. Disclaimer filed Mar. 22, 1968, by the assignee, Boots Pure Drug Company Limited. No. 8,385,886; v. 852; p. 2.

Owen, Harold D., Fort Worth, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Halliburton Company. No. 2,889,775; v. 848; p. 1.

Passannante, Anthony J., Metuchen, N.J. Disclaimer filed Apr. 2, 1968, by the assignee, Esso Research and Engineering Company. No. 3,352,828; v. 850; p. 996.

Perlman, Milton, Detroit, Mich. Disclaimer filed Oct. 3, 1968, by the assignee, Modern Faucet Mfg. Co. No. 3,265,082; v. 856; p. 1.

Poulter, Thomas C., Palo Alto, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignees, Borg-Warner Corporation and Halliburton Company. No. 3,013,491; v. 848; p. 860.

Poulter, Thomas C., David E. Brink, and Paul E. Seaward, Palo Alto, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,058,058; v. 848; p. 571.

Poulter, Thomas C., Palo Alto, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignees, Borg-Warner Corporation and Halliburton Company. No. 3,100,445; v. 848; p. 860.

Poulter, Thomas C., Palo Alto, Calif. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Jet Research Center, Inc. No. 3,136,249; v. 849; p. 2.

Pumphrey, Gilbert B., Elyria, Ohio. Dedication filed Feb. 7, 1968, by the assignee, Bendix-Westinghouse Automotive Air Brake Company. No. 3,241,865; v. 850; p. 996.

Reading, Ralph R., Hawthorne, Calif. Dedication filed July 10, 1968, by the assignee, John M. Lee. No. 2,721,148; v. 857; p. 1005.

Richter, Sidney B., Chicago, Ill. Disclaimer filed Nov. 9, 1967, by the inventor; the assignee, Velsicol Chemical Corporation, assenting. No. 3,356,484; v. 846; p. 2.

Rickes, Edward L., Rahway, N.J. and Thomas R. Wood, Hockessin, Del. Disclaimer filed June 10, 1968, by the assignee, Merck & Co., Inc. No. 2,703,302; v. 852; p. 1043.

Robertson, Harry S., Houston, Tex. Disclaimer and dedication filed Nov. 14, 1967, by the assignee, Borg-Warner Corporation. No. 2,853,944; v. 847; p. 920.

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